

Result No.	Score	Query Match	Length	DB ID	Description
<hr/>					
1	1247	40.8	277	4 US-09-428-082B-22	Sequence 22, Appl
2	1243	40.6	268	4 US-09-428-082B-8	Sequence 8, Appl
3	1226	40.1	253	4 US-09-428-082B-16	Sequence 16, Appl
4	1225	40.0	232	2 US-08-595-043A-50	Sequence 50, Appl
5	1225	40.0	331	3 US-09-178-69-2	Sequence 2, Appl
6	1225	40.0	331	4 US-09-761-413-2	Sequence 2, Appl
7	1225	40.0	360	4 US-09-180-100-11	Sequence 11, Appl
8	1225	40.0	371	1 US-08-236-311-7	Sequence 7, Appl
9	1225	40.0	371	3 US-08-457-918-7	Sequence 22, Appl
10	1225	40.0	376	4 US-09-180-100-12	Sequence 3, Appl
11	1225	40.0	396	2 US-08-784-512-3	Sequence 3, Appl
12	1225	40.0	396	3 US-09-176-228-3	Sequence 3, Appl
13	1225	40.0	424	5 PCT-US95-03866-12	Sequence 12, Appl
14	1225	40.0	424	5 PCT-US95-03866-14	Sequence 14, Appl
15	1225	40.0	437	5 PCT-US96-1043-11	Sequence 11, Appl
16	1225	40.0	442	4 US-08-472-888A-7	Sequence 7, Appl
17	1225	40.0	442	5 PCT-US96-1043-9	Sequence 9, Appl
18	1225	40.0	446	3 US-08-397-411-7	Sequence 7, Appl
19	1225	40.0	449	1 US-08-458-516-13	Sequence 13, Appl
20	1225	40.0	459	1 US-08-157-101A-7	Sequence 7, Appl
21	1225	40.0	475	4 US-09-740-002-27	Sequence 27, Appl
22	1225	40.0	476	2 US-08-378-939-10	Sequence 10, Appl
23	1225	40.0	476	3 US-08-487-550-4	Sequence 4, Appl
24	1225	40.0	476	3 US-08-487-550-12	Sequence 12, Appl
25	1225	40.0	476	4 US-09-526-98-4	Sequence 4, Appl
26	1225	40.0	476	4 US-09-526-98-12	Sequence 12, Appl
27	1225	40.0	478	3 US-08-487-550-8	Sequence 8, Appl

RESULT 2  
US-09-428-082B-8  
; Sequence 8, Application US/09428082B  
; Patent No. 6660843  
; GENERAL INFORMATION:  
; APPLICANT: FEIGE, ULRICH  
; APPLICANT: CHEETHAM, JANET C.  
; APPLICANT: LIU, CHUAN-FA  
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS  
; FILE REFERENCE: A-527  
; CURRENT APPLICATION NUMBER: US/09/428, 082B  
; CURRENT FILING DATE: 1999-10-02  
; PRIOR APPLICATION NUMBER: 60/105, 371  
; PRIOR FILING DATE: 1998-10-23  
; NUMBER OF SEQ ID NOS: 1133  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 8  
; LENGTH: 268  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Fc-TMP-TMP  
US-09-428-082B-8

Query Match Score 40.1%; Best Local Similarity 84.7%; Pred. No. 1e-95; Matches 233; Conservative 7; Mismatches 11; Indels 24; Gaps 4;

Qy 6 DXTHTCPCPAPELLGGPSVLFPPKPKDTLIMISRTPEVTCVVVDVSHBDPEVKENWYD 65  
Db 2 DXTHTCPCPAPELLGGPSVLFPPKPKDTLIMISRTPEVTCVVVDVSHDPEVKENWYD 61

Qy 66 GVEVHNKTKPREEQNSTYRVSVLTVLHQINWNNGKEYKCKVSNKALPAPIEKTIKAK 125  
Db 62 GVEVHNKTKPREEQNSTYRVSVLTVLHQINWNNGKEYKCKVSNKALPAPIEKTIKAK 121

Qy 126 VQPREPOVYLPPSRDLTQNQVSATCLVKGFYRDIAWEWSNQOPENNYKTPPVLDLS 185  
Db 122 GQPREPOVYLPPSRDLTQNQVSATCLVKGFYRDIAWEWSNQOPENNYKTPPVLDLS 181

Qy 186 VGSFFLYSKLTVDKSRWQGNVFCSVMHEALHNHYQRSLSLSPGKVBCGGSGGGSG 245  
Db 182 DGSFFLYSKLTVDKSRWQGNVFCSVMHEALHNHYQRSLSLSPGK-----GGGG 232

Qy 246 GGSSEFTPTVKILQSSCDGGHHPPTIQLCLVSG 280  
Db 233 GGGTY-----SC---HRGP-LTWYCKPQG 252

## RESULT 4

US-08-595-043A-50

Query Match Score 40.6%; Best Local Similarity 88.9%; Pred. No. 4.1e-95; Matches 232; Conservative 5; Mismatches 14; Indels 10; Gaps 1;

Qy 6 DXTHTCPCPAPELLGGPSVLFPPKPKDTLIMISRTPEVTCVVVDVSHBDPEVKENWYD 65  
Db 2 DXTHTCPCPAPELLGGPSVLFPPKPKDTLIMISRTPEVTCVVVDVSHDPEVKENWYD 61

Qy 66 GVEVHNKTKPREEQNSTYRVSVLTVLHQINWNNGKEYKCKVSNKALPAPIEKTIKAK 125  
Db 62 GVEVHNKTKPREEQNSTYRVSVLTVLHQINWNNGKEYKCKVSNKALPAPIEKTIKAK 121

Qy 126 VQPREPOVYLPPSRDLTQNQVSATCLVKGFYPSDIAWEWSNQOPENNYKTPPVLDLS 185  
Db 122 GQPREPOVYLPPSRDLTQNQVSATCLVKGFYRDIAWEWSNQOPENNYKTPPVLDLS 181

Qy 186 VGSFFLYSKLTVDKSRWQGNVFCSVMHEALHNHYQRSLSLSPGKVBCGGSGGGSG 240  
Db 182 DGSFFLYSKLTVDKSRWQGNVFCSVMHEALHNHYQRSLSLSPGKGCGGGIEGPTLQR 241

Qy 241 -----GGGGGGGSFPPTVK 256  
Db 242 WLAARAGGGGGGGIEGPTLQR 262

## RESULT 3

US-09-428-082B-16  
; Sequence 16, Application US/09428082B  
; Patent No. 6660843  
; GENERAL INFORMATION:  
; APPLICANT: FEIGE, ULRICH  
; APPLICANT: CHEETHAM, JANET C.  
; APPLICANT: LIU, CHUAN-FA  
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS  
; FILE REFERENCE: A-527  
; CURRENT APPLICATION NUMBER: US/09/428, 082B  
; CURRENT FILING DATE: 1999-10-02  
; PRIOR APPLICATION NUMBER: 60/105, 371  
; PRIOR FILING DATE: 1998-10-23  
; NUMBER OF SEQ ID NOS: 1133  
; SOFTWARE: Patentin version 3.1  
; LENGTH: 253  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Fc-EMP

Query Match Score 40.0%; Best Local Similarity 97.0%; Pred. No. 1.e-95; Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSCDKTHTCPPCPAPELLGGPSVLFPPKPKDTLIMISRTPEVTCVVVDVSHDPEVRF 60  
Db 1 EPKSCDKTHTCPPCPAPELLGGPSVLFPPKPKDTLIMISRTPEVTCVVVDVSHDPEVRF 60

RESULT 5 US-09-178-869-2									
Dy	61	NWYDGVEVHNVKTKPREEQINSTYRVSVLTIVLHQNMNGKEYKCKVSNKALPAPIKT	120						
Db	61	NWYDGVEVHNVAKTKPREEQINSTYRVSVLTIVLHQDLANGKEYKCKVSNKALPAPIKT	120						
Dy	121	ISKAQVOPREPOVYTLPPSDELTKNOVSITCLVKGKFPSDIAVEYESNGOPENNYKTP	180						
Db	121	ISKAQGOPREPOVYTLPPSDELTKNOVSITCLVKGKFPSDIAVEYESNGOPENNYKTP	180						
Dy	181	PVLDSVGSPFLYSKLTVDKSRWQGNYFSCSVMHEALHNHYQRSLSLSPGK	232						
Db	181	PVLDSGFFFLYSKLTVDKSRWQGNYFSCSVMHEALHNHYTQSLSLSPGK	232						
RESULT 6 US-09-761-413-2									
Dy	1	EPKSCDKTHTCPPAPAEGLGGPSVLFPPPKPDITLMISRTPEVTCVVDVSHEDPVVKF	60						
Db	100	EPKSCDKTHTCPPAPAEGLGGPSVLFPPPKPDITLMISRTPEVTCVVDVSHEDPVVKF	159						
Dy	61	NWYDGVEVHNVKTKPREEQINSTYRVSVLTIVLHQNMNGKEYKCKVSNKALPAPIKT	120						
Db	160	NWYDGVEVHNVAKTKPREEQINSTYRVSVLTIVLHQDLANGKEYKCKVSNKALPAPIKT	219						
Dy	121	ISKAQVOPREPOVYTLPPSDELTKNOVSITCLVKGKFPSDIAVEYESNGOPENNYKTP	180						
Db	220	ISKAQGOPREPOVYTLPPSDELTKNOVSITCLVKGKFPSDIAVEYESNGOPENNYKTP	279						
Dy	181	PVLDSVGSPFLYSKLTVDKSRWQGNYFSCSVMHEALHNHYQRSLSLSPGK	232						
Db	280	PVLDSGFFFLYSKLTVDKSRWQGNYFSCSVMHEALHNHYTQSLSLSPGK	331						
RESULT 6 US-09-761-413-2									
Dy	1	Sequence 2, Application US-09761413							
		Sequence 2, Application US-09761413							
Dy	1	GENERAL INFORMATION:							
		Applicant: Tao, Weng							
Dy	1	Applicant: Wong, Shou							
		Applicant: Hickey, William F.							
Dy	1	Applicant: Hammang, Joseph P.							
		Applicant: Baetge, E. Edward							
Dy	1	TITLE OF INVENTION: CELL SURFACE-INDUCED MACROPHAGE ACTIVATION							
		FILE REFERENCE: 17810-043							
Dy	1	CURRENT APPLICATION NUMBER: US/09/178,869B							
		CURRENT FILING DATE: 1998-10-26							
Dy	1	NUMBER OF SEQ ID NOS: 14							
		SOFTWARE: Patentin Ver. 2.0							
Dy	1	SEQ ID NO 2							
		LENGTH: 331							
Dy	1	TYPE: PRT							
		ORGANISM: Homo sapiens							
Dy	1	JS-09-178-869-2							
		Query Match	40.0%	Score: 1225;	DB: 3;	Length: 331;			
Dy	1	Best Local Similarity	97.0%	Pred. No. 1..9e-95;	Mismatches: 4;	Indels: 0;	Gaps: 0		
		Matches: 225; Conservative							
Dy	1	EPKSCDKTHTCPPAPAEGLGGPSVLFPPPKPDITLMISRTPEVTCVVDVSHEDPVVKF	60						
Db	100	EPKSCDKTHTCPPAPAEGLGGPSVLFPPPKPDITLMISRTPEVTCVVDVSHEDPVVKF	159						
Dy	61	NWYDGVEVHNVKTKPREEQINSTYRVSVLTIVLHQNMNGKEYKCKVSNKALPAPIKT	120						
Db	160	NWYDGVEVHNVAKTKPREEQINSTYRVSVLTIVLHQDLANGKEYKCKVSNKALPAPIKT	219						
Dy	121	ISKAQVOPREPOVYTLPPSDELTKNOVSITCLVKGKFPSDIAVEYESNGOPENNYKTP	180						
Db	220	ISKAQGOPREPOVYTLPPSDELTKNOVSITCLVKGKFPSDIAVEYESNGOPENNYKTP	279						
Dy	181	PVLDSVGSPFLYSKLTVDKSRWQGNYFSCSVMHEALHNHYQRSLSLSPGK	232						
Db	280	PVLDSGFFFLYSKLTVDKSRWQGNYFSCSVMHEALHNHYTQSLSLSPGK	331						
RESULT 6 US-09-761-413-2									
Dy	1	GENERAL INFORMATION:							
		Applicant: Tao, Weng							
Dy	1	Applicant: Wong, Shou							
		Applicant: Hickey, William F.							
Dy	1	Applicant: Hammang, Joseph P.							
		Applicant: Baetge, E. Edward							
Dy	1	TITLE OF INVENTION: CELL SURFACE-INDUCED MACROPHAGE ACTIVATION							
		FILE REFERENCE: 17810-043							
Dy	1	CURRENT APPLICATION NUMBER: US/09/761,413							
		CURRENT FILING DATE: 2001-01-16							
Dy	1	PRIOR APPLICATION NUMBER: US/09/178,869							
		PRIOR FILING DATE: 1998-10-26							

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; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 2
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-761-413-2

Query Match          40.0
Best Local Similarity 97.0
Matches 225; Conservative

Qy      1 EPKSCDKTHTCPPCPA
Db      100 EPKSCDKTHTCPPCPA
Qy      61 NWYVDGVEVHNVKTKP
Db      160 NWYVDGVEVHNVKTKP
Qy      121 ISKAKVQPREQVYTL
Db      220 ISKAKGQPREQVYTL
Qy      181 PVLDGSFFLYSKLT
Db      280 PVLDGSFFLYSKLT

RESULT 7
US-09-180-100-11
; Sequence 11, Application US/
; Patent No. 6306395
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, NO. 63
; APPLICANT: NAGATA, Shigeru
; TITLE OF INVENTION: NOVEL P
; FILE REFERENCE: 1110-207P
; CURRENT APPLICATION NUMBER:
; CURRENT FILING DATE: 1998-1
; EARLIER APPLICATION NUMBER:
; EARLIER FILING DATE: 1997-0
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 11
; LENGTH: 360
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-180-100-11

Query Match          40.0
Best Local Similarity 97.0
Matches 225; Conservative

Qy      1 EPKSCDKTHTCPPCPA
Db      129 EPKSCDKTHTCPPCPA
Qy      61 NWYVDGVEVHNVKTKP
Db      189 NWYVDGVEVHNVKTKP
Qy      121 ISKAKVQPREQVYTL
Db      249 ISKAKGQPREQVYTL
Qy      181 PVLDGSFFLYSKLT
Db      309 PVLDGSFFLYSKLT

RESULT 8
US-08-236-311-7

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Sequence 7, Application US/08457918  
 Patent No. 6117655  
 GENERAL INFORMATION:  
 APPLICANT: Capon, Daniel J.  
 APPLICANT: Gregory, Timothy J.  
 TITLE OF INVENTION: Adheson Variants  
 NUMBER OF SEQUENCES: 25  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Genentech, Inc.  
 STREET: 460 Point San Bruno Blvd  
 CITY: South San Francisco  
 STATE: California  
 COUNTRY: USA  
 ZIP: 94080

COMPUTER READABLE FORM:  
 MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/236,311  
 FILING DATE: 02-MAY-1994  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 07/936,90  
 FILING DATE: 26-AUG-1992  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 07/842,777  
 FILING DATE: 18-FEB-1992  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 07/250,785  
 FILING DATE: 28-SEP-1988  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 07/104,129  
 FILING DATE: 02-OCT-1987  
 PRIOR APPLICATION DATA:  
 NAME: Hasak, Janet E.  
 REGISTRATION NUMBER: 28,616  
 REFERENCE DOCKET NUMBER: 444P1C2  
 TELEPHONE: 415/225-1896  
 TELEFAX: 910/371-7168  
 INFORMATION FOR SEQ ID NO: 7:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 371 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 US-08-457-918-7

Query Match Score 1225; DB 1; Length 371;  
 Best Local Similarity 97.0%; Pred. No. 2.2e-95;  
 Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSCDKTHCPCKPAPELLOGPSVFLPPKPKDTLMSRPTPEVTCVVVDVSHDPEVKF 60  
 Db 140 EPKSCDKTHCPCKPAPELLOGPSVFLPPKPKDTLMSRPTPEVTCVVVDVSHDPEVKF 199

Qy 61 NYYDGVEVHNVKTKREEQINSTYRVSVTLVHQNNNGKEYRKVSNKALAPIKT 120  
 Db 200 NYYDGVEVHNVKTKREEQINSTYRVSVTLVHQNNNGKEYRKVSNKALAPIKT 259

Qy 121 ISAKYQPREPOVYLLPSRDELTKNQVSITCLVKGFYPSDIAWEISNGOPENNYKTP 180  
 Db 260 ISRAKGQPREQVYLLPSRDELTKNQVSITCLVKGFYPSDIAWEISNGOPENNYKTP 319

Qy 181 PVLDGSGSFFLYSKLTVDKSRSWQGNSVPSCSMHEALRHYQRSLSLSPGK 232  
 Db 320 PVLDGSGSFFLYSKLTVDKSRSWQGNSVPSCSMHEALRHYQRSLSLSPGK 371

Qy 181 PVLDGSGSFFLYSKLTVDKSRSWQGNSVPSCSMHEALRHYQRSLSLSPGK 232  
 Db 320 PVLDGSGSFFLYSKLTVDKSRSWQGNSVPSCSMHEALRHYQRSLSLSPGK 371

RESULT 9  
 US -08-457-918-7

RESULT 10  
 US-09-180-100-22  
 Sequence 22 Application US/09180100  
 Patent No. 6306355  
 GENERAL INFORMATION:  
 APPLICANT: NAKAMURA, No. 630639510  
 APPLICANT: NAGATA, Shigekazu  
 TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE  
 FILE REFERENCE: 1110-207P  
 CURRENT APPLICATION NUMBER: US/09180,100  
 EARLIER APPLICATION NUMBER: PCT/JP97/01502  
 EARLIER FILING DATE: 1998-11-02  
 NUMBER OF SEQ ID NOS: 25  
 SOFTWARE: Patentin Ver. 2.0  
 SEQ ID NO: 22  
 LENGTH: 376  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-180-100-22

Query Match Score 1225; DB 4; Length 376;  
 Best Local Similarity 97.0%; Pred. No. 2.2e-95;  
 Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSDKTHTCPPCPAPEELGGPSVLFPPPKPDLMISRTPETVYVVDVSHEDEPVKF 60  
 Db 145 EPKSDKTHTCPPCPAPEELGGPSVLFPPPKPDLMISRTPETVYVVDVSHEDEPVKF 204

Qy 61 NWYDGVEHVNVKTKPREEQYNSTYRVVSVTVLHQNNMNGKEYCKVSNKALPAPIKT 120  
 Db 205 NWYDGVEHVNAKTKPREEQYNSTYRVVSVTVLHQDNMNGKEYCKVSNKALPAPIKT 264

Qy 121 ISKAQGPREEQVTLPPSDELTKNOVSITCLYKGF125DIAWEENGOPENNYKTP 180  
 Db 265 ISKAQGPREEQVTLPPSDELTKNOVSITCLYKGF125DIAWEENGOPENNYKTP 324

Qy 181 PVLDVGSFPLYSKLTVDKSRRWQGNFSSVMEAHNHYOQRSLSLSPGK 232  
 Db 325 PVLDGSFPLYSKLTVDKSRRWQGNFSSVMEAHNHYTQKSLSLSPGK 376

RESULT 11  
 US-09-784-512-3  
 Sequence 3 Application US/08784512  
 Patent No. 5972209  
 GENERAL INFORMATION:  
 APPLICANT: BARTNIK, Eckart  
 APPLICANT: EIDENMUELLER, Bernd  
 APPLICANT: BUETTNER, Frank  
 APPLICANT: CATHERSON, Bruce  
 APPLICANT: HUGHES, Clare  
 TITLE OF INVENTION: An artificial recombinant substrate (RAGG 1)  
 TITLE OF INVENTION: An artificial recombinant substrate (RAGG 1)  
 TITLE OF INVENTION: "Aggrecanase" in cell culture systems  
 NUMBER OF SEQUENCES: 4

RESULT 12  
 US-09-176-228-3  
 Sequence 3 Application US/09176228  
 Patent No. 6189334  
 GENERAL INFORMATION:  
 APPLICANT: BARTNIK, Eckart  
 APPLICANT: EIDENMUELLER, Bernd  
 APPLICANT: BUETTNER, Frank  
 APPLICANT: CATHERSON, Bruce  
 APPLICANT: HUGHES, Clare  
 TITLE OF INVENTION: An artificial recombinant substrate (RAGG 1)  
 TITLE OF INVENTION: and native aggrecan to study the proteolytic activity of  
 NUMBER OF SEQUENCES: 4  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Foley & Lardner  
 STREET: Suite 500, 3000 K Street, N.W.  
 CITY: Washington, D.C.  
 COUNTRY: USA  
 ZIP: 20007-1109  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/176, 228  
 FILING DATE:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/08/784, 512  
 FILING DATE: 17-JAN-1997  
 APPLICATION NUMBER: EP 96100682, 2

APPLICATION NUMBER: EP 96100682.2  
 FILING DATE: 18-JUN-1996  
 ATTORNEY/AGENT INFORMATION:  
 NAME: GRANADOS, Patricia D.  
 REGISTRATION NUMBER: 33, 683  
 REFERENCE/DOCKET NUMBER: 18748/311  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (202) 672-5300  
 TELEX: 904136  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 396 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 FEATURE:  
 NAME/KEY: Protein  
 LOCATION: 1..396  
 US-09-176-228-3

Query Match Score 1225; DB 3; Length 396;  
 Best Local Similarity 97.0%; Pred. No. 2.4e-95;  
 Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSCDXTHTCPCPAPBLLGGPSVFLPPKPKDTLMSRPEVTCVVVDVSHEDPEVKF 60  
 Db 165 EPKSCDXTHTCPCPAPBLLGGPSVFLPPKPKDTLMSRPEVTCVVVDVSHEDPEVKF 224  
 Qy 61 NWYVDGVEVHNTKTPREEQNSTYRVSVLTVLHQWNGKEYKCKVSNKALPAPIKT 120  
 Db 225 NWYVDGVEVHNTKTPREEQNSTYRVSVLTVLHQWNGKEYKCKVSNKALPAPIKT 284

Qy 121 ISAKVQPREQVYTLPSSRDELTKNQSLTCLVKGFYPSDIAWESNGOPENNYKTP 180  
 Db 285 ISAKQGPREFQVYTLPSSRDELTKNQSLTCLVKGFYPSDIAWESNGOPENNYKTP 344

Qy 181 PVLDVGFFFLYSKLTVDKSRMQQGVYFSCSYVHEALHNHYCQRLSLSPGK 232  
 Db 345 PVLDSDGFFFLYSKLTVDKSRMQQGVYFSCSYVHEALHNHYTQKSLSLSPGK 396

RESULT 13 PCT-US95-03866-12  
 Sequence 1.2, Application PC/TUS9503866  
 GENERAL INFORMATION:  
 APPLICANT: CytoMed, Inc. (all states except US)  
 APPLICANT: Nocka, Karl (US only)  
 APPLICANT: Lobeil, Robert B (US only)  
 TITLE OF INVENTION: STABILIZED DIMER OF KIT LIGAND AND  
 NUMBER OF SEQUENCES: 36  
 TITLE OF INVENTION: FLT-3/FLK-2 LIGAND  
 NUMBER OF SEQUENCES: 36  
 ADDRESSSEE: Fish & Neave  
 STREET: 1251 Avenue of the Americas  
 CITY: New York  
 STATE: New York  
 COUNTRY: United States of America  
 ZIP: 10000

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: PCT/US95/03866  
 FILING DATE:  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/220,379  
 FILING DATE: 28-MAR-1994  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Haley Jr., James F.  
 REGISTRATION NUMBER: 27,794  
 REFERENCE/DOCKET NUMBER: CytoMed/2  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 212-596-9000  
 TELEX: 212-596-1090  
 INFORMATION FOR SEQ ID NO: 14:  
 SEQUENCE CHARACTERISTICS:

LENGTH: 424 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 PCT-US95-03865-14      MOLECULE TYPE: protein

Query Match      Score 1225; DB 5; Length 424;  
 Best Local Similarity 97.0%; Pred. No. 2.8e-95;  
 Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy      1 EPKSCDKTHTCPPCPAPELGGPSVLFPPKPKDTLMISRPTVTCVVVDVSHEDPEVKF 60  
 Db      193 EPKSCDKTHTCPPCPAPELGGPSVLFPPKPKDTLMISRPTVTCVVVDVSHEDPEVKF 252  
 Qy      61 NWYDGVEVHNVTKTPREQQYNSTYRVSVLTLHQWVNGKEYKCKVSNKLAPTEKT 120  
 Db      253 NWYDGVEVHNAKTKTPREQQYNSTYRVSVLTLHQDWLNGKEYKCKVSNKLAPTEKT 312  
 Qy      121 ISKAKVQPREQVTLPSSRDELTKNOVSLSCLVKGFYPSDIAVEWSNGOPENNYKTTP 180  
 Db      313 ISKRGQPREQVTLPSSRDELTKNOVSLSCLVKGFYPSDIAVEWSNGOPENNYKTTP 372  
 Qy      181 PVLDVGSGFFFLYSLTVDKSRWQGNVFSYSCSYMEALHNHYQSRSLSPGK 232  
 Db      373 PVLDGDGSGFFFLYSLTVDKSRWQGNVFSYSCSYMEALHNHYQSRSLSPGK 424

## RESULT 15

PCT-US96-10043-11

Sequence 11, Application PC/TU9610043

GENERAL INFORMATION:

APPLICANT: The General Hospital Corporation

TITLE OF INVENTION: P-SELECTIN LIGANDS AND RELATED MOLECULES

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:

ADDRESSEE: Fish & Richardson P.C.  
STREET: 225 Franklin Street  
CITY: Boston  
STATE: MA  
COUNTRY: USA

ZIP: 02210-2804

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US96/10043

FILING DATE:

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: US 60/000,213

FILING DATE: 14-JUN-1995

CLASSIFICATION:

NAME: Lech, Karen F.

REGISTRATION NUMBER:

REFERENCE/DOCKET NUMBER: 00786/284001

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617/542-8906

TELEX: 200154

INFORMATION FOR SEQ ID NO: 11:

SEQUENCE CHARACTERISTICS:

LENGTH: 437 amino acids

STRANDEDNESS: not relevant

TOPOLOGY: linear

MOLECULE TYPE: protein

PCT-US96-10043-11

Query Match

40.0%; Score 1225; DB 5; Length 437;

Best Local Similarity 97.0%; Pred. No. 2.8e-95;  
 Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy      1 EPKSCDKTHTCPPCPAPELGGPSVLFPPKPKDTLMISRPTVTCVVVDVSHEDPEVKF 60  
 Db      206 EPKSCDKTHTCPPCPAPELGGPSVLFPPKPKDTLMISRPTVTCVVVDVSHEDPEVKF 265  
 Qy      61 NWYDGVEVHNVTKTPREQQYNSTYRVSVLTLHQWVNGKEYKCKVSNKLAPTEKT 120  
 Db      266 NWYDGVEVHNAKTPREQQVTLPSSRDELTKNOVSLSCLVKGFYPSDIAVEWSNGOPENNYKTTP 180  
 Qy      121 ISKAKVQPREQVTLPSSRDELTKNOVSLSCLVKGFYPSDIAVEWSNGOPENNYKTTP 180  
 Db      326 ISKAKCQPREQVTLPSSRDELTKNOVSLSCLVKGFYPSDIAVEWSNGOPENNYKTTP 385  
 Qy      181 PVLDVGSGFFFLYSLTVDKSRWQGNVFSYSCSYMEALHNHYQSRSLSPGK 232  
 Db      386 PVLDGDGSGFFFLYSLTVDKSRWQGNVFSYSCSYMEALHNHYQSRSLSPGK 437

search completed: August 18, 2004, 01:23:26  
 Job time : 20 secs



Copyright GenCore version 5.1.6  
(c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: August 18, 2004, 01:22:06 ; Search time 50 Seconds  
(without alignments)

Scoring table: BLOSUM62

Title: US-09-847-208B-7

Perfect score: 3060

Sequence: 1 EPKSCDKTHCPCPAPELL.....HEAASPSQTVQRAYSVNPGK 569

Total number of hits satisfying chosen parameters: 1167132

Minimum DB seq length: 0

Maximum DB seq length: 569

Searched: 1992805 seqs, 313927144 residues

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications\_AA.\*

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4: /cgn2_6_ptodata/1/pubpaas/US05_NEW_PUB.pep:*
5: /cgn2_6_ptodata/1/pubpaas/US04_NEW_PUB.pep:*
6: /cgn2_6_ptodata/1/pubpaas/PC08_NEW_PUBCOMB.pep:*
7: /cgn2_6_ptodata/1/pubpaas/US08_NEW_PUB.pep:*
8: /cgn2_6_ptodata/1/pubpaas/US09_NEW_PUBCOMB.pep:*
9: /cgn2_6_ptodata/1/pubpaas/US09A_NEW_PUBCOMB.pep:*
10: /cgn2_6_ptodata/1/pubpaas/US09B_NEW_PUBCOMB.pep:*
11: /cgn2_6_ptodata/1/pubpaas/US09C_NEW_PUBCOMB.pep:*
12: /cgn2_6_ptodata/1/pubpaas/US09_NEW_PUB.pep:*
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15: /cgn2_6_ptodata/1/pubpaas/US10C_NEW_PUBCOMB.pep:*
16: /cgn2_6_ptodata/1/pubpaas/US10_NEW_PUB.pep:*
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18: /cgn2_6_ptodata/1/pubpaas/US60_NEW_PUBCOMB.pep:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Result No. Score Query Match Length DB ID Description

Result No.	Score	Query Match	Length	DB ID	Description
1	3060	100.0	569	10 US-09-847-208-7	Sequence 7, Appli
2	3050	100.0	569	12 US-10-000-439-7	Sequence 7, Appli
3	1766	57.7	427	10 US-09-847-208-5	Sequence 5, Appli
4	1766	57.7	427	12 US-10-000-439-5	Sequence 1, Appli
5	1766	57.7	428	9 US-09-916-230-1	Sequence 1, Appli
6	1766	57.7	428	9 US-09-949-375A-1	Sequence 60, Appli
7	1766	57.7	428	13 US-10-047-542-0	Sequence 7, Appli
8	1755	57.4	441	9 US-09-949-375A-7	Sequence 6, Appli
9	1707	55.8	320	10 US-03-947-208-6	Sequence 6, Appli
10	1707	55.8	320	12 US-03-949-375A-6	Sequence 2, Appli
11	1707	55.8	323	9 US-09-949-375A-2	Sequence 4, Appli
12	1707	55.8	323	9 US-09-949-375A-4	Sequence 6, Appli
13	1707	55.8	323	9 US-09-949-375A-6	Sequence 1, Appli
14	1707	55.8	331	9 US-09-401-636-1	Sequence 1, Appli
15	1707	55.8	331	14 US-10-176-664-1	Sequence 1, Appli

SEQUENCES

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16 1707 55.8 331 14 US-10-207-655-329
17 1707 55.8 331 16 US-10-673-594-1
18 1705.5 55.7 426 14 US-10-214-524-26
19 1696 55.4 336 9 US-09-949-375A-8
20 1671 54.6 330 9 US-09-949-375A-10
21 1649 53.9 347 14 US-10-152-190-13
22 1579 51.6 347 14 US-10-152-190-12
23 1565.5 51.2 348 14 US-10-152-190-11
24 1455.5 46.9 346 14 US-10-152-190-10
25 1364.5 44.6 346 14 US-10-152-190-14
26 1260 41.2 232 10 US-09-847-208-3
27 1260 41.2 232 12 US-10-000-439-3
28 1260 41.2 330 12 US-09-847-208-2
29 1260 41.2 330 12 US-10-000-439-2
30 1255.5 41.0 526 12 US-10-395-802-52
31 1247 40.8 277 12 US-10-632-388-22
32 1247 40.8 277 12 US-10-651-723-22
33 1247 40.8 277 12 US-10-645-761-22
34 1247 40.8 277 16 US-10-666-896-22
35 1247 40.8 277 16 US-10-653-048-22
36 1243 40.6 268 12 US-10-609-217-8
37 1243 40.6 268 12 US-10-632-388-8
38 1243 40.6 268 12 US-10-651-723-8
39 1243 40.6 268 12 US-10-645-761-8
40 1243 40.6 268 16 US-10-666-896-8
41 1243 40.6 268 16 US-10-653-048-8
42 1232 40.3 462 12 US-10-395-802-46
43 1229 40.2 379 12 US-10-679-999-9
44 1229 40.1 543 14 US-10-207-655-345
45 1227 40.1 543 14 US-10-207-655-345

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ALIGNMENTS

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RESULT 1
US-09-847-208-7
; Sequence 7, Application US/09847208
; Publication No. US0030082190A1
; GENERAL INFORMATION:
; APPLICANT: Saxon, Andrew
; APPLICANT: Zhang, Ke
; APPLICANT: Zhu, Daocheng
; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF
; IGE-MEDIATED ALLERGIC DISEASES
; FILE REFERENCE: UG67-002A
; CURRENT APPLICATION NUMBER: US/09/847,208
; CURRENT FILING DATE: 2001-05-01
; NUMBER OF SEQ ID NOS: 177
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 7
; LENGTH: 569
; TYPE: PRT
; FEATURE:
; ORGANISM: Unknown
; OTHER INFORMATION: Fusion between hinge-CH2-CH3 (IG1) to CH2-CH3-CH4
; OTHER INFORMATION: (IGE)
US-09-847-208-7

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SUMMARIES

Qy	1 EPKSCDKTHCPCPAPELLCPGSPVLFPPPKDLMISRPEVTCVVVDVSHEDPEVKF 60
Qy	1 EPKSCDKTHCPCPAPELLCPGSPVLFPPPKDLMISRPEVTCVVVDVSHEDPEVKF 60
Db	1 EPKSCDKTHCPCPAPELLCPGSPVLFPPPKDLMISRPEVTCVVVDVSHEDPEVKF 60
Qy	61 NWYVGWEVHNVRKTPREQNNTSTRVSVLTVLHNWVNGKEYCKVSNAKPPIKT 120
Db	61 NWYVGWEVHNVRKTPREQNNTSTRVSVLTVLHNWVNGKEYCKVSNAKPPIKT 120
Qy	121 ISKAKYOPREPOYYTLPSPRDELTKNQVSLTCLVKGFYPSDIAVEWESNGOPENNYKTTP 180

Db 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLLTCLVKGFYPSIDIAVEWESNGQOPENNYKTP 180  
 Qy 181 PYLDVGSSFPFLYSKLTVDKSMLWQGNTFSCECMHEALHNHYQQRSLISLSPGKVBCGGGSG 240  
 Db 181 PYLDVGSSFPFLYSKLTVDKSMLWQGNTFSCECMHEALHNHYQQRSLISLSPGKVBCGGGSG 240  
 Qy 241 GGCGGGGSFTPTVKILQSSCDGGHFPPTQLLCLVSGTPTGTTNPQGTTTLEDQYMDVD 300  
 Db 241 GGCGGGGSFTPTVKILQSSCDGGHFPPTQLLCLVSGTPTGTTNPQGTTTLEDQYMDVD 300  
 Qy 301 LSTASTTQEGELASTQELTSQKEWLSDRYYTCQTYQHTFEDSTKCADSNPRGVSA 360  
 Db 301 LSTASTTQEGELASTQELTSQKEWLSDRYYTCQTYQHTFEDSTKCADSNPRGVSA 360  
 Qy 361 YLSRPSPDLPTRKSPTTCLVVDLAFSKGTVNLTMWSRASCPVNTHSTRKEBKONGTLT 420  
 Db 361 YLSRPSPDLPTRKSPTTCLVVDLAFSKGTVNLTMWSRASCPVNTHSTRKEBKONGTLT 420  
 Qy 361 YLSRPSPDLPTRKSPTTCLVVDLAFSKGTVNLTMWSRASCPVNTHSTRKEBKONGTLT 420  
 Db 361 YLSRPSPDLPTRKSPTTCLVVDLAFSKGTVNLTMWSRASCPVNTHSTRKEBKONGTLT 420  
 Qy 421 VISTLPVGTWDIEGETYQCRVTHPLPRLMRSTTKTSGRAAPEVYAFATPEMPGSRD 480  
 Db 421 VISTLPVGTWDIEGETYQCRVTHPLPRLMRSTTKTSGRAAPEVYAFATPEMPGSRD 480  
 Qy 481 KRTLACLIQNFMEDISVQWLNEVOLPDARHSTTOPRKTSKGSFFVSRLEVTRAEMEQ 540  
 Db 481 KRTLACLIQNFMEDISVQWLNEVOLPDARHSTTOPRKTSKGSFFVSRLEVTRAEMEQ 540  
 Qy 481 KRTLACLIQNFMEDISVQWLNEVOLPDARHSTTOPRKTSKGSFFVSRLEVTRAEMEQ 540  
 Db 481 KRTLACLIQNFMEDISVQWLNEVOLPDARHSTTOPRKTSKGSFFVSRLEVTRAEMEQ 540  
 Qy 541 KDEFICRAVHEAASPQTQRAVSYNPGK 569  
 Db 541 KDEFICRAVHEAASPQTQRAVSYNPGK 569  
 Qy 541 KDEFICRAVHEAASPQTQRAVSYNPGK 569  
 Db 541 KDEFICRAVHEAASPQTQRAVSYNPGK 569

RESULT 3  
 US-09-847-208-5  
 ; Sequence 5, Application US/09847208  
 ; Publication No. US20030082190A1  
 ; GENERAL INFORMATION  
 ; APPLICANT: Saxon, Andrew  
 ; APPLICANT: Zhang, Ke  
 ; APPLICANT: Zhu, Daocheng  
 ; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF  
 ; TITLE OF INVENTION: IgE-MEDIATED ALLERGIC DISEASES  
 ; FILE REFERENCE: UCE7-002A  
 ; CURRENT APPLICATION NUMBER: US/09/847,208  
 ; CURRENT FILING DATE: 2001-05-01  
 ; NUMBER OF SEQ ID NOS: 177  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO 5  
 ; LENGTH: 427  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-847-208-5

Query Match 57.7%; Score 1766; DB 10; Length 427;  
 Best Local Similarity 78.0%; Pred. No. 1..6e-116; Mismatches 57; Indels 24; Gaps 7;  
 Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

Qy 129 REPOVYTTPPSRDELTKNQVSLLT-CLVKGFPSPDIATEWESNGQOPENNYKTP-PVLD 185  
 Db 3 QSSSVFPTTRCCRNPNATSSTVGLCLATGFEPEPYMVWT-GSLNGLTMTPATLT 61  
 Qy 186 VGSEFLYKRLTVDKSRWQGNYFSCSYMEALHNHY-QQRSLISLSPGKVBCGGGSGGS 244  
 Db 62 SGHYATISLTVTSGAWAK-QMFTCRVHTPSSTDWKNDFSVC----- 104  
 Qy 245 GGGGSFTPTVKILQSSCDGGHFPPTQLLCLVSGTPTGTTNPQGMDVDLSA 304  
 Db 105 -SRDTFPTVKILQSSCDGGHFPPTQLLCLVSGTPTGTTNPQGMDVDLSA 162  
 Qy 305 STTQEGELASTQELTSQKEWLSDRYYTCQTYQHTFEDSTKCADSNPRGVSA 364  
 Db 163 STTQEGELASTQELTSQKEWLSDRYYTCQTYQHTFEDSTKCADSNPRGVSA 222  
 Qy 365 PSPRDLFIRKSPTTCLVKGFPSPDIATEWESNGQOPENNYKTP 424  
 Db 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLLTCLVKGFYPSIDIAVEWESNGQOPENNYKTP 180  
 Qy 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLLTCLVKGFYPSIDIAVEWESNGQOPENNYKTP 180  
 Db 121 ISKAKVQPREPQVYTLPPSRDELTKNQVSLLTCLVKGFYPSIDIAVEWESNGQOPENNYKTP 180  
 Qy 181 PYLDVGSSFPFLYSKLTVDKSMLWQGNTFSCECMHEALHNHYQQRSLISLSPGKVBCGGGSG 240



NAME/KEY: DOMAIN  
 LOCATION: (111) .. (116)  
 OTHER INFORMATION: Human IgE heavy chain C1 domain

FEATURE:  
 NAME/KEY: MISC FEATURE  
 LOCATION: (2109) .. (216)  
 OTHER INFORMATION: Linker between domains C2 and C3

FEATURE:  
 NAME/KEY: MISC FEATURE  
 LOCATION: (205) .. (219)  
 OTHER INFORMATION: Epitope including C2c3 linker

FEATURE:  
 NAME/KEY: MISC FEATURE  
 LOCATION: (1244) .. (251)  
 OTHER INFORMATION: Epitope in BC loop

FEATURE:  
 NAME/KEY: MISC FEATURE  
 LOCATION: (1315) .. (323)  
 OTHER INFORMATION: Epitope including C3c4 linker

FEATURE:  
 NAME/KEY: MISC FEATURE  
 LOCATION: (1272) .. (286)  
 OTHER INFORMATION: Epitope in DE loop

FEATURE:  
 NAME/KEY: MISC FEATURE  
 LOCATION: (301) .. (311)  
 OTHER INFORMATION: Epitope in FG loop

FEATURE:  
 NAME/KEY: MISC FEATURE  
 LOCATION: (317) .. (320)  
 OTHER INFORMATION: Linker between domains C3 and C4

FEATURE:  
 NAME/KEY: DOMAIN  
 LOCATION: (321) .. (442)  
 OTHER INFORMATION: Human IgE heavy chain C4 domain

FEATURE:  
 NAME/KEY: DOMAIN  
 LOCATION: (1217) .. (316)  
 OTHER INFORMATION: Human IgE heavy chain C3 domain

FEATURE:  
 NAME/KEY: DOMAIN  
 LOCATION: (1113) .. (208)  
 OTHER INFORMATION: Human IgE heavy chain C2 domain  
 US-09-949-375A-1

Query 485 ACIIONMPEDISVQWLNHEVQLPDAHSTTQPRKTGSGFFVFSRLEYTRAEMEQKDEF 544  
 Db 344 ACIIONMPEDISVQWLNHEVQLPDAHSTTQPRKTGSGFFVFSRLEYTRAEMEQKDEF 403

Query 545 ICRAVHEAASPQTQVRAVSYNPGK 569  
 Db 404 ICRAVHEAASPQTQVRAVSYNPGK 428

RESULT 7  
 US-10-047-542-60  
 ; Sequence 60, Application US/10047542  
 ; Publication No. US2002168367A1  
 ; GENERAL INFORMATION  
 ; APPLICANT: LARRICK, JAMES W.  
 ; FILE REFERENCE: 03-905 0004 CIP1  
 ; CURRENT APPLICATION NUMBER: US/10/047,542  
 ; CURRENT FILING DATE: 2001-10-26  
 ; PRIORITY NUMBER: PCT/US01/13932  
 ; TITLE OF INVENTION: NOVEL IMMUNOADESINS FOR TREATING AND PREVENTING VIRAL  
 ; AND BACTERIAL DISEASES

Query 57.7%; Score 1766; DB 13; Length 428;  
 Best Local Similarity 78.0%; Pred. No. 1..6e-16;  
 Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

Query 129 REPVVTLPPSRDELTKNQVSLT--CLVKGRYPSDIAVEWNSQNPENNYKTPP-PVLDs 185  
 Db 4 QSPSVFPLTRCKNISNAATSVLGLATGFPPEPMVWTDT-GSLNGTMPLPATLTL 62

Query 166 VGSFFFLYSKLTVDKSRWQGNVPSCSYMHNLHHY-QQRSLSLSPGKVEGGGSGGGGS 244  
 Db 63 SGHYATSLILTY-SGAWAK-QMFTRCAVHTPSSTDWDNKTFSVC----- 105

Query Match 57.7%; Score 1766; DB 13; Length 428;  
 Best Local Similarity 78.0%; Pred. No. 1..6e-16;  
 Matches 347; Conservative 17; Mismatches 57; Indels 24; Gaps 7;

Query 245 GGGGSFTPPTKVILQSCDGAGHFPTTQLCLVSGYPTGTINITWLEDQVMVDLSTA 304  
 Db 106 --SRDFPPTVTKVILQSCDGAGHFPTTQLCLVSGYPTGTINITWLEDQVMVDLSTA 163

Query 305 STTQEGLASTOSELTLSQEWLSDRTYTCQYQHTFEDSTTKCADSNPRGVSYLSR 364  
 Db 164 STTQEGLASTOSELTLSQEWLSDRTYTCQYQHTFEDSTTKCADSNPRGVSYLSR 223

Query 365 PSPFDLTKSPITCLVVDLAPSKGTVNLTWSRASKPYNHSTRKEEKRONGLILTVST 424  
 Db 224 PSPFDLTKSPITCLVVDLAPSKGTVNLTWSRASKPYNHSTRKEEKRONGLILTVST 283

Query 425 LPVGTRIWIEGTYQCRVTHPLPMLRSTTKTQSRTKQPRKTGSGFFVFSRLEYTRAEMEQKDEF 484  
 Db 284 LPVGTRIWIEGTYQCRVTHPLPMLRSTTKTQSRTKQPRKTGSGFFVFSRLEYTRAEMEQKDEF 343

Query 485 ACIIONMPEDISVQWLNHEVQLPDAHSTTQPRKTGSGFFVFSRLEYTRAEMEQKDEF 544  
 Db 344 ACIIONMPEDISVQWLNHEVQLPDAHSTTQPRKTGSGFFVFSRLEYTRAEMEQKDEF 403

Query 545 ICRAVHEAASPQTQVRAVSYNPGK 569  
 Db 404 ICRAVHEAASPQTQVRAVSYNPGK 428

RESULT 8  
 US-09-949-375A-7  
 ; Sequence 7, Application US/09949375A



Db 301 HEAASPQTQRAVSVPNGK 320

RESULT 10  
 US-000-439-6  
 Sequence 6, Application US/10000439  
 Publication No. US20030064063A1  
 GENERAL INFORMATION:  
 APPLICANT: Saxon, Andrew  
 TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR  
 TREATMENT OF IMMUNE DISEASES  
 FILE REFERENCE: UC067 004A  
 CURRENT APPLICATION NUMBER: US/10/000,439  
 CURRENT FILING DATE: 2001-10-24  
 PRIOR APPLICATION NUMBER: US 09/847,208  
 PRIOR FILING DATE: 2001-05-01  
 NUMBER OF SEQ ID NOS: 13  
 SOFTWARE: Fast-SEQ for Windows Version 4.0  
 SEQ ID NO 6  
 LENGTH: 320  
 TYPE: PRT  
 ORGANISM: Homo sapiens

US-10-000-439-6

Query Match 55.8%; Score 1707; DB 12; Length 320;  
 Best Local Similarity 100.0%; Pred. No. 1..6e-112;  
 Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 250 FTBPTVKILQSSCDGGHHFPPTIQCLVSGTYPGTINITWLEDQVMDYDLSTASTTQE 309  
 Db 1 FRPPTVKILQSSCDGGHHFPPTIQCLVSGTYPGTINITWLEDQVMDYDLSTASTTQE 60

Qy 310 GELASTQSELTLSQKHWLSDRTYTCQVYQGHTFEDSTKICADSNPGRGSPAYLSRPSPPD 369  
 Db 61 GELASTQSELTLSQKHWLSDRTYTCQVYQGHTFEDSTKICADSNPGRGSPAYLSRPSPPD 120

Qy 370 LFTRKSPTTIQLVDAVLAPSKGTVNLWSRASGKPYNHSTKEEKORNGLTIVTSLPLVG 429  
 Db 121 LFTRKSPTTIQLVDAVLAPSKGTVNLWSRASGKPYNHSTKEEKORNGLTIVTSLPLVG 180

Qy 430 RDWIEGETYQCRVTHPLPRLMRSTTKTSPPRAPEVYAFATPWPGSRDKRITALC1Q 489  
 Db 181 RDWIEGETYQCRVTHPLPRLMRSTTKTSPPRAPEVYAFATPWPGSRDKRITALC1Q 240

Qy 490 NMPEDISVQNLHNEVOLPDARHSTIQPKTKGSGFVFSRLEVTRAEMEQKDEFICRAV 549  
 Db 241 NMPEDISVQNLHNEVOLPDARHSTIQPKTKGSGFVFSRLEVTRAEMEQKDEFICRAV 300

Qy 550 HEAASPQTQRAVSVPNGK 569  
 Db 301 HEAASPQTQRAVSVPNGK 320

RESULT 11  
 US-09-949-375A-2  
 Sequence 2, Application US/0949375A  
 Patent No. US20020172673A1  
 GENERAL INFORMATION:  
 APPLICANT: KLYSNER, Steen et al.  
 TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE  
 FILE REFERENCE: 3631-011P  
 CURRENT APPLICATION NUMBER: US/09/949,375A  
 CURRENT FILING DATE: 2002-01-18  
 NUMBER OF SEQ ID NOS: 38  
 SOFTWARE: Patentin version 3.1  
 SEQ ID NO 2  
 LENGTH: 323  
 TYPE: PRT  
 ORGANISM: homo sapiens  
 FEATURE: DOMAIN  
 NAME/KEY: DOMAIN  
 LOCATION: (8)..(103)

OTHER INFORMATION: Human IgE heavy chain C2 domain  
 FEATURE: DOMAIN  
 NAME/KEY: DOMAIN  
 LOCATION: (112)..(211)  
 OTHER INFORMATION: Human IgE heavy chain C3 domain  
 FEATURE: DOMAIN  
 NAME/KEY: DOMAIN  
 LOCATION: (216)..(317)  
 OTHER INFORMATION: Human IgE heavy chain C4 domain  
 FEATURE: MISC FEATURE  
 NAME/KEY: MISC FEATURE  
 LOCATION: (104)..(111)  
 OTHER INFORMATION: Linker between domains C2 and C3  
 FEATURE: MISC FEATURE  
 NAME/KEY: MISC FEATURE  
 LOCATION: (212)..(215)  
 OTHER INFORMATION: Linker between domains C3 and C4  
 FEATURE: MISC FEATURE  
 NAME/KEY: MISC FEATURE  
 LOCATION: (100)..(114)  
 OTHER INFORMATION: Epitope including C2C3 linker  
 FEATURE: MISC FEATURE  
 NAME/KEY: MISC FEATURE  
 LOCATION: (210)..(218)  
 OTHER INFORMATION: Epitope including C3C4 linker  
 FEATURE: MISC FEATURE  
 NAME/KEY: MISC FEATURE  
 LOCATION: (139)..(145)  
 OTHER INFORMATION: Epitope in BC loop  
 FEATURE: MISC FEATURE  
 NAME/KEY: MISC FEATURE  
 LOCATION: (167)..(175)  
 OTHER INFORMATION: Epitope in DE loop  
 FEATURE: MISC FEATURE  
 NAME/KEY: MISC FEATURE  
 LOCATION: (196)..(206)  
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 US-09-949-375A-2

Query Match 55.8%; Score 1707; DB 9; Length 323;  
 Best Local Similarity 100.0%; Pred. No. 1..7e-112;  
 Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 250 FTBPTVKILQSSCDGGHHFPPTIQCLVSGTYPGTINITWLEDQVMDYDLSTASTTQE 309  
 Db 4 FTBPTVKILQSSCDGGHHFPPTIQCLVSGTYPGTINITWLEDQVMDYDLSTASTTQE 63

Qy 310 GELASTQSELTLSQKHWLSDRTYTCQVYQGHTFEDSTKICADSNPGRGSPAYLSRPSPPD 369  
 Db 64 GELASTQSELTLSQKHWLSDRTYTCQVYQGHTFEDSTKICADSNPGRGSPAYLSRPSPPD 123

Qy 370 RDWIEGETYQCRVTHPLPRLMRSTTKTSPPRAPEVYAFATPWPGSRDKRITALC1Q 489  
 Db 124 LFTRKSPTTIQLVDAVLAPSKGTVNLWSRASGKPYNHSTKEEKORNGLTIVTSLPLVG 183

Qy 430 RDWIEGETYQCRVTHPLPRLMRSTTKTSPPRAPEVYAFATPWPGSRDKRITALC1Q 489  
 Db 184 RDWIEGETYQCRVTHPLPRLMRSTTKTSPPRAPEVYAFATPWPGSRDKRITALC1Q 243

Qy 490 NMPEDISVQNLHNEVOLPDARHSTIQPKTKGSGFVFSRLEVTRAEMEQKDEFICRAV 549  
 Db 244 NMPEDISVQNLHNEVOLPDARHSTIQPKTKGSGFVFSRLEVTRAEMEQKDEFICRAV 303

Qy 550 HEAASPQTQRAVSVPNGK 569  
 Db 304 HEAASPQTQRAVSVPNGK 323

RESULT 12  
 US-09-949-375A-4  
 Sequence 4, Application US/0949375A  
 Patent No. US20020172673A1  
 GENERAL INFORMATION:



Sequence 1, Application US/10176664  
Publication No. US2003031663A1  
GENERAL INFORMATION:  
APPLICANT: Hellman, Lars T.  
TITLE OF INVENTION: ENHANCED VACCINE  
FILE REFERENCE: 19223/0060001  
CURRENT APPLICATION NUMBER: US/10/1  
PRIOR APPLICATION NUMBER: US/09/401  
PRIORITY FILING DATE: 1999-09-22  
PRIORITY FILING DATE: 1998-11-02  
NUMBER OF SEQ ID NOS: 11  
SEQUENCE ID NO: 1  
LENGTH: 331  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE: OTHER INFORMATION: Synthetically G

Query Match	Score	Length	DB	14+	Best Local Similarity	100.0%	Pred.	No.	1..7e-112;
Matches 320;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0					
Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
b	b	b	b	b	b	b	b	b	b
250	FTPPTVKILOSSCDGGHHFPPTIQLCLVSGYTPGTINITLEDQMDVLDLSTASTTQE	309							
12	FTPPTVKIQLQSQHSDGSHFPPTIQLCLVSGTPTGTINITLEDQMDVLDLSTASTTQE	71							
310	GELASTQSELTSQKHEMLSDRTYTCQVQHTIEDSTTKCADSNPRGVSAYLSRSPFD	369							
72	GELASTQSELTSQKHWLSDRTYTCQVQHTIEDSTTKCADSNPRGVSAYLSRSPFD	131							
370	LFIKSPTITCLVVDIAPSKGTVNLTWSRASCKPVNHSRKTRKEEKQNGTILTVTSLPVGT	429							
132	LFIKSPTITCLVVDIAPSKGTVNLTWSRASCKPVNHSRKTRKEEKQNGTILTVTSLPVGT	191							
430	RDWIEGETYOCRTHPHPLRADMRTKTSGBRAPEVYATPPEWGSRDKRTLACLIQ	489							
192	RDWIEGETYOCRTHPHPLRADMRTKTSGBRAPEVYATPPEWGSRDKRTLACLIQ	251							
490	NFMPEPDISVQWLNHEVOLPDAHSTTQPRKTGKGGRFVFSRLBEVTRAEMEQKDEFICRAV	549							
252	NFMPEPDISVQWLNHEVOLPDAHSTTQPRKTGKGGRFVFSRLBEVTRAEMEQKDEFICRAV	311							
550	HEAAASQTOVRAVSYNPGK	569							
312	HEAAASQTOVRAVSYNPGK	331							

search completed: August 18, 2004, 01:28:16  
Job time : 51 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: August 18, 2004, 01:12:44 ; Search time 19 Seconds  
(without alignments)  
869,490 Million cell updates/sec

Title: US-09-847-208B-6  
Perfect score: 1707  
Sequence: 1 FT2PPTVKILQSSCDGGHFP.....HEAASPSQTVGRAVSVNPGK 320

Scoring table: BL0ST062  
Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 335316

Minimum DB seq length: 0  
Maximum DB seq length: 320

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:  
 1: /cgnd\_6/ptodata/2/iaa/5A\_COMB.DEP.\*  
 2: /cgnd\_6/ptodata/2/iaa/5B\_COMB.DEP.\*  
 3: /cgnd\_6/ptodata/2/iaa/6A\_COMB.DEP.\*  
 4: /cgnd\_6/ptodata/2/iaa/6B\_COMB.DEP.\*  
 5: /cgnd\_6/ptodata/2/iaa/PCUS\_Comb.pep.\*  
 6: /cgnd\_6/ptodata/2/iaa/backfilesi.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

**SUMMARIES**

Result No.	Score	Query Match	Length	DB ID	Description
1	597	35.0	113	2	US-09-232-539D-56 Sequence 56, Appl
2	587	34.4	110	1	US-09-399-106A-6 Sequence 6, Appl
3	587	34.4	110	1	US-09-433-105A-6 Sequence 6, Appl
4	581	34.4	110	2	US-09-434-869A-6 Sequence 6, Appl
5	581	34.0	109	1	US-09-037-179A-2 Sequence 2, Appl
6	581	34.0	109	3	US-09-601-184-2 Sequence 2, Appl
7	566.5	33.2	109	4	US-09-466-163B-1 Sequence 1, Appl
8	566.5	33.2	109	4	US-09-302-096-1 Sequence 1, Appl
9	55	32.6	106	2	US-09-232-539D-54 Sequence 54, Appl
10	526	30.8	119	2	US-09-0464-2 Sequence 1, Appl
11	508.5	29.8	118	3	US-09-466-151-1 Sequence 1, Appl
12	416.5	24.4	320	2	US-09-579-940-8 Sequence 2, Appl
13	356	20.9	235	3	US-09-131-247-6 Sequence 6, Appl
14	356	20.9	247	4	US-09-428-082B-12 Sequence 12, Appl
15	356	20.9	269	4	US-09-428-082B-10 Sequence 10, Appl
16	355	20.8	253	4	US-09-428-082B-18 Sequence 18, Appl
17	355	20.8	277	4	US-09-428-082B-20 Sequence 20, Appl
18	354	20.7	316	3	US-09-178-869-4 Sequence 4, Appl
19	354	20.7	316	4	US-09-761-413-4 Sequence 4, Appl
20	352	20.6	228	4	US-09-428-082B-2 Sequence 2, Appl
21	352	20.6	228	4	US-09-847-249A-2 Sequence 2, Appl
22	352	20.6	229	4	US-09-122-144-2 Sequence 50, Appl
23	352	20.6	232	2	US-09-595-043A-50 Sequence 50, Appl
24	352	20.6	243	4	US-09-428-082B-1068 Sequence 1068, Appl
25	352	20.6	247	4	US-09-428-082B-6 Sequence 6, Appl
26	352	20.6	248	4	US-09-428-082B-1056 Sequence 1056, Appl
27	352	20.6	248	4	US-09-428-082B-1058 Sequence 1058, Appl

**ALIGNMENTS**

RESULT 1  
US-09-232-539D-56  
Sequence 56, Application US/08232539D  
/ Parent No. 5965709  
/ GENERAL INFORMATION:  
/ APPLICANT: Presta, Leonard G.  
/ TITLE OF INVENTION: IGE Antagonists  
/ NUMBER OF SEQUENCES: 60  
/ CORRESPONDENCE ADDRESS:  
/ ADDRESSEE: Genentech, Inc.  
/ STREET: 1 DNA Way  
/ CITY: South San Francisco  
/ STATE: California  
/ COUNTRY: USA  
/ ZIP: 94080  
/ COMPUTER READABLE FORM:  
/ MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
/ COMPUTER: IBM PC compatible  
/ OPERATING SYSTEM: PC-DOS/MS-DOS  
/ SOFTWARE: WinPatin (Genentech)  
/ CURRENT APPLICATION DATA:  
/ APPLICATION NUMBER: US/08/232-539D  
/ FILING DATE: 21-APR-1994  
/ CLASSIFICATION: 530  
/ PRIORITY APPLICATION DATA:  
/ APPLICATION NUMBER: 08/178583  
/ FILING DATE: 07-JAN-1994  
/ PRIORITY APPLICATION DATA:  
/ APPLICATION NUMBER: 07/744768  
/ FILING DATE: 14-AUG-1991  
/ ATTORNEY/AGENT INFORMATION:  
/ NAME: Svoboda, Craig G.  
/ REGISTRATION NUMBER: 39, 044  
/ REFERENCE/DOCKET NUMBER: P0718P3  
/ TELECOMMUNICATION INFORMATION:  
/ TELEPHONE: 650/225-1489  
/ TELEFAX: 650/952-9881  
/ INFORMATION FOR SEQ ID NO: 56:  
/ SEQUENCE CHARACTERISTICS:  
/ LENGTH: 113 amino acids  
/ TYPE: Amino Acid  
/ TOPOLOGY: Linear  
/ US-09-232-539D-56

Qy



PRIOR APPLICATION DATA:  
 FILING DATE: 08/399106  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Lee, Wendy M.  
 REGISTRATION NUMBER: 00,000  
 REFERENCE/DOCKET NUMBER: P0927D1  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415/225-1994  
 TELEX: 910/371-7168  
 INFORMATION FOR SEQ ID NO: 6:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 110 amino acids  
 TYPE: Amino Acid  
 TOPOLOGY: Linear  
 US-08-434-869A-6

Query Match 34.0%; Score 581; DB 1; Length 109;  
 Best Local Similarity 100.0%; Pred. No. 1.7e-48;  
 Matches 109; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 212 PRAAPEVYATPENPGSRDKRTLACLIQNMPEDISVQWLNNEVOLPDAHSTTQPRKT 271  
 Db 1 PRAAPEVYATPENPGSRDKRTLACLIQNMPEDISVQWLNNEVOLPDAHSTTQPRKT 60

Qy 272 KGSGFFVFSRSLLEVTRAEWKDEFICRAVHEAAASPQTQRAVSYNPGK 320  
 Db 61 KGSGFFVFSRSLLEVTRAEWKDEFICRAVHEAAASPQTQRAVSYNPGK 109

RESULT 6  
 US-08-601-184-2  
 Sequence 2, Application US/08601184  
 Patent No. 6043345

GENERAL INFORMATION:  
 APPLICANT: Zhang, Ke  
 APPLICANT: Max, Edward E  
 APPLICANT: Saxon, Andrew  
 TITLE OF INVENTION: IGE ISOFORMS AND METHODS OF USE  
 NUMBER OF SEQUENCES: 8  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: FLIER, HOHBACH, TEST, ALBRITTON & HERBERT  
 STREET: 4 Embarcadero Center, Suite 3400  
 CITY: San Francisco  
 STATE: California  
 COUNTRY: USA  
 ZIP: 941114187

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/M-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/601,184  
 FILING DATE:  
 CLASSIFICATION: 530  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Sherwood, Pamela J.  
 PATENT NO. 552337  
 GENERAL INFORMATION:  
 APPLICANT: Zhang, Ke  
 APPLICANT: Max, Edward E  
 APPLICANT: Saxon, Andrew  
 TITLE OF INVENTION: IGE ISOFORMS AND METHODS OF USE  
 NUMBER OF SEQUENCES: 8  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: FLIER, HOHBACH, TEST, ALBRITTON & HERBERT  
 STREET: 4 Embarcadero Center, Suite 3400  
 CITY: San Francisco  
 STATE: California  
 COUNTRY: USA  
 ZIP: 94111-4187

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/037,579A  
 FILING DATE: 24-MAR-1993  
 CLASSIFICATION: 424  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Rowland, Bertram I  
 REGISTRATION NUMBER: 20,015  
 REFERENCE/DOCKET NUMBER: A-57950/BIR UCLA-233  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (415) 781-1989  
 TELEX: 910 27729 FHT UR  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 109 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein

US-08-601-184-2

Query Match 34.0%; Score 581; DB 3; Length 109;  
 Best Local Similarity 100.0%; Pred. No. 1.7e-48;  
 Matches 109; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 212 PRAAPEVYATPENPGSRDKRTLACLIQNMPEDISVQWLNNEVOLPDAHSTTQPRKT 271  
 Db 1 PRAAPEVYATPENPGSRDKRTLACLIQNMPEDISVQWLNNEVOLPDAHSTTQPRKT 60

Qy 272 KGSGFFVFSRSLLEVTRAEWKDEFICRAVHEAAASPQTQRAVSYNPGK 320  
 Db 61 KGSGFFVFSRSLLEVTRAEWKDEFICRAVHEAAASPQTQRAVSYNPGK 109

RESULT 7  
 US-08-466-163B-1  
 Sequence 1, Application US/08466163B  
 Patent No. 6339509

GENERAL INFORMATION:

APPLICANT: Jardieu, Paula M.  
 APPLICANT: Presta, Leonard G.  
 TITLE OF INVENTION: Immunoglobulin Variants  
 FILE REFERENCE: P0718P2C1D1  
 CURRENT APPLICATION NUMBER: US/08/466,163B  
 CURRENT FILING DATE: 1995-06-06  
 PRIOR APPLICATION NUMBER: US 08/405,617  
 PRIOR FILING DATE: 1995-03-15  
 PRIOR APPLICATION NUMBER: US 08/185,899  
 PRIOR FILING DATE: 1994-01-26  
 PRIOR APPLICATION NUMBER: US 07/879,495  
 PRIOR FILING DATE: 1992-05-07  
 PRIOR APPLICATION NUMBER: US 07/744,768  
 PRIOR FILING DATE: 1991-08-14  
 NUMBER OF SEQ ID NOS: 64  
 SEQ ID NO 1  
 LENGTH: 109  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-08-466-163B-1

Query Match 33.2%; Score 566.5; DB 4; Length 109;  
 Best Local Similarity 99.1%; Pred. No. 4.2e-47;  
 Matches 109; Conservative 0; Mismatches 0; Indels 1;  
 Gaps 1;

Qy 103 DSNPRGYSAYLSRSPSPDLFIRKSPPTCLVVDLAPSKGTVNLWSRASKGTVNHSRKRE 162  
 Db 1 EKQRNGTILTVTSTLPVGRDIEGETYQCRVTHPHLPRALMRSITKTSGP 212

Qy 163 EKQRNGTILTVTSTLPVGRDIEGETYQCRVTHPHLPRALMRSITKTSGP 212  
 Db 61 EKQRNGTILTVTSTLPVGRDIEGETYQCRVTHPHLPRALMRSITKTSGP 109

RESULT 8  
 Sequence 1, Application US/09802096  
 Patent No. 665939  
 GENERAL INFORMATION:  
 APPLICANT: Jardieu, Paula M.

APPLICANT: Presta, Leonard G.  
 TITLE OF INVENTION: Method of Preventing the Onset of Allergic Disorders (as amended)  
 FILE REFERENCE: P0718P2C3US  
 CURRENT APPLICATION NUMBER: US/09/802,096  
 CURRENT FILING DATE: 2001-02-08  
 PRIOR APPLICATION NUMBER: US 08/405,617  
 PRIOR FILING DATE: 1995-03-15  
 PRIOR APPLICATION NUMBER: US 08/185,899  
 PRIOR FILING DATE: 1994-01-26  
 PRIOR APPLICATION NUMBER: PCT/US92/06860  
 PRIOR FILING DATE: 1992-08-14  
 PRIOR APPLICATION NUMBER: US 07/879,495  
 PRIOR FILING DATE: 1992-05-07  
 PRIOR APPLICATION NUMBER: US 07/744,768  
 PRIOR FILING DATE: 1991-08-14  
 NUMBER OF SEQ ID NOS: 64  
 SEQ ID NO 1  
 LENGTH: 109  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-802-096-1

Query Match 33.2%; Score 566.5; DB 4; Length 109;  
 Best Local Similarity 99.1%; Pred. No. 4.2e-47;  
 Matches 109; Conservative 0; Mismatches 0; Indels 1;  
 Gaps 1;

Qy 103 DSNPRGYSAYLSRSPSPDLFIRKSPPTCLVVDLAPSKGTVNLWSRASKGTVNHSRKRE 162  
 Db 1 DSNPRGYSAYLSRSPSPDLFIRKSPPTCLVVDLAPSKGTVNLWSRASKGTVNHSRKRE 60

Qy 163 EKQRNGTILTVTSTLPVGRDIEGETYQCRVTHPHLPRALMRSITKTSGP 212  
 Db 61 EKQRNGTILTVTSTLPVGRDIEGETYQCRVTHPHLPRALMRSITKTSGP 109

RESULT 9  
 Sequence 54, Application US/08232539D  
 Patent No. 5965109  
 GENERAL INFORMATION:  
 APPLICANT: Presta, Leonard G.  
 APPLICANT: Jardieu, Paula M.  
 TITLE OF INVENTION: IgE Antagonists  
 NUMBER OF SEQUENCES: 60  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Genentech, Inc.  
 STREET: 1 DNA Way  
 CITY: South San Francisco  
 STATE: California  
 COUNTRY: USA  
 ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Winstat (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/232,539D

FILING DATE: 21-Apr-1994

CLASSIFICATION: 530

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/178583

FILING DATE: 07-JAN-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/744768

FILING DATE: 14-AUG-1991

ATTORNEY/AGENT INFORMATION:

NAME: Svoboda, Craig G.

REGISTRATION NUMBER: P0718P3

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/225-1489

TELEFAX: 650/952-3881

INFORMATION FOR SEQ ID NO: 54:

SEQUENCE CHARACTERISTICS:

LENGTH: 106 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

US-08-232-59D-54

Query Match 32.6%; Score 556; DB 2; Length 106;

Best Local Similarity 100.0%; Pred. No. 4.2e-46;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

TELEPHONE: 650/225-1489

TELEFAX: 650/952-3881

INFORMATION FOR SEQ ID NO: 54:

SEQUENCE CHARACTERISTICS:

LENGTH: 106 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

US-08-232-59D-54

Query Match 32.6%; Score 556; DB 2; Length 106;

Best Local Similarity 100.0%; Pred. No. 4.2e-46;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

TELEPHONE: 650/225-1489

TELEFAX: 650/952-3881

INFORMATION FOR SEQ ID NO: 54:

SEQUENCE CHARACTERISTICS:

LENGTH: 106 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

US-08-232-59D-54

Query Match 32.6%; Score 556; DB 2; Length 106;

Best Local Similarity 100.0%; Pred. No. 4.2e-46;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

TELEPHONE: 650/225-1489

TELEFAX: 650/952-3881

INFORMATION FOR SEQ ID NO: 54:

SEQUENCE CHARACTERISTICS:

LENGTH: 106 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

US-08-232-59D-54

Query Match 32.6%; Score 556; DB 2; Length 106;

Best Local Similarity 100.0%; Pred. No. 4.2e-46;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

TELEPHONE: 650/225-1489

TELEFAX: 650/952-3881

INFORMATION FOR SEQ ID NO: 54:

SEQUENCE CHARACTERISTICS:

LENGTH: 106 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

US-08-232-59D-54

Query Match 32.6%; Score 556; DB 2; Length 106;

Best Local Similarity 100.0%; Pred. No. 4.2e-46;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

TELEPHONE: 650/225-1489

TELEFAX: 650/952-3881

INFORMATION FOR SEQ ID NO: 54:

SEQUENCE CHARACTERISTICS:

LENGTH: 106 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

US-08-232-59D-54

Query Match 32.6%; Score 556; DB 2; Length 106;

Best Local Similarity 100.0%; Pred. No. 4.2e-46;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

TELEPHONE: 650/225-1489

TELEFAX: 650/952-3881

INFORMATION FOR SEQ ID NO: 54:

SEQUENCE CHARACTERISTICS:

LENGTH: 106 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

US-08-232-59D-54

Query Match 32.6%; Score 556; DB 2; Length 106;

Best Local Similarity 100.0%; Pred. No. 4.2e-46;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

TELEPHONE: 650/225-1489

TELEFAX: 650/952-3881

INFORMATION FOR SEQ ID NO: 54:

SEQUENCE CHARACTERISTICS:

LENGTH: 106 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

US-08-232-59D-54

Query Match 32.6%; Score 556; DB 2; Length 106;

Best Local Similarity 100.0%; Pred. No. 4.2e-46;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

TELEPHONE: 650/225-1489

TELEFAX: 650/952-3881

INFORMATION FOR SEQ ID NO: 54:

SEQUENCE CHARACTERISTICS:

LENGTH: 106 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

US-08-232-59D-54

Query Match 32.6%; Score 556; DB 2; Length 106;

Best Local Similarity 100.0%; Pred. No. 4.2e-46;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

TELEPHONE: 650/225-1489

TELEFAX: 650/952-3881

INFORMATION FOR SEQ ID NO: 54:

SEQUENCE CHARACTERISTICS:

LENGTH: 106 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

US-08-232-59D-54

Query Match 32.6%; Score 556; DB 2; Length 106;

Best Local Similarity 100.0%; Pred. No. 4.2e-46;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

TELEPHONE: 650/225-1489

TELEFAX: 650/952-3881

INFORMATION FOR SEQ ID NO: 54:

SEQUENCE CHARACTERISTICS:

LENGTH: 106 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

US-08-232-59D-54

Query Match 32.6%; Score 556; DB 2; Length 106;

Best Local Similarity 100.0%; Pred. No. 4.2e-46;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

TELEPHONE: 650/225-1489

TELEFAX: 650/952-3881

INFORMATION FOR SEQ ID NO: 54:

SEQUENCE CHARACTERISTICS:

LENGTH: 106 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

US-08-232-59D-54

Query Match 32.6%; Score 556; DB 2; Length 106;

Best Local Similarity 100.0%; Pred. No. 4.2e-46;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

TELEPHONE: 650/225-1489

TELEFAX: 650/952-3881

INFORMATION FOR SEQ ID NO: 54:

SEQUENCE CHARACTERISTICS:

LENGTH: 106 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

US-08-232-59D-54

Query Match 32.6%; Score 556; DB 2; Length 106;

Best Local Similarity 100.0%; Pred. No. 4.2e-46;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

TELEPHONE: 650/225-1489

TELEFAX: 650/952-3881

INFORMATION FOR SEQ ID NO: 54:

SEQUENCE CHARACTERISTICS:

LENGTH: 106 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

US-08-232-59D-54

Query Match 32.6%; Score 556; DB 2; Length 106;

Best Local Similarity 100.0%; Pred. No. 4.2e-46;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

TELEPHONE: 650/225-1489

TELEFAX: 650/952-3881

INFORMATION FOR SEQ ID NO: 54:

SEQUENCE CHARACTERISTICS:

LENGTH: 106 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

US-08-232-59D-54

Query Match 32.6%; Score 556; DB 2; Length 106;

Best Local Similarity 100.0%; Pred. No. 4.2e-46;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

TELEPHONE: 650/225-1489

TELEFAX: 650/952-3881

INFORMATION FOR SEQ ID NO: 54:

SEQUENCE CHARACTERISTICS:

LENGTH: 106 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

US-08-232-59D-54

Query Match 32.6%; Score 556; DB 2; Length 106;

Best Local Similarity 100.0%; Pred. No. 4.2e-46;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

TELEPHONE: 650/225-1489

TELEFAX: 650/952-3881

INFORMATION FOR SEQ ID NO: 54:

SEQUENCE CHARACTERISTICS:

LENGTH: 106 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

US-08-232-59D-54

Query Match 32.6%; Score 556; DB 2; Length 106;</

COUNTRY: USA  
 ZIP: 94080  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: WinPatin (Genentech)  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/464,025A  
 FILING DATE: 05-Jun-1995  
 CLASSIFICATION: 530  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Svoboda, Craig G.  
 REGISTRATION NUMBER: 39,044  
 REFERENCE/DOCKET NUMBER: P0718P2C1D1  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 650/225-1489  
 TELEFAX: 650/952-9881  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 118 amino acids  
 REFERENCE/DOCKET NUMBER: P0718C3  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 650/225-1489  
 TELEFAX: 650/952-9881  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 119 amino acids  
 TYPE: Amino Acid  
 TOPOLOGY: Linear  
 US-08-464-025A-1

Query Match Score 526; DB 2; Length 119;  
 Best Local Similarity 90.7%; Pred. No. 3.8e-43;  
 Matches 107; Conservative 1; Mismatches 2; Indels 8; Gaps 4;  
 Qy 103 DSNPRGVASAYLRSRSPFD-LFIRKSPTITCLVYDLAPSKGTYNLTVWSRAS -- -GKPVNHS 158  
 Db 2 DSNPRGVASAYLRSRSPFD-LFIRKSPTITCLVYDLAPSKGTYNLTVWSRAS -- -GKPVNHS 61

Query Match Score 508.5; DB 3; Length 118;  
 Best Local Similarity 89.8%; Pred. No. 1.8e-41;  
 Matches 106; Conservative 1; Mismatches 2; Indels 9; Gaps 5;  
 Qy 103 DSNPRGVASAYLRSRSPFD-LFIRKSPTITCLVYDLAPSKGTYNLTVWSRAS -- -GKPVNHS 158  
 Db 2 DSNPRGVASAYLRSRSPFD-LFIRKSPTITCLVYDLAPSKGTYNLTVWSRAS -- -GKPVNHS 61

RESULT 12  
 US-08-579-940-8  
 Sequence 8, Application US/08579940  
 PATENT NO.: 597315  
 GENERAL INFORMATION:  
 APPLICANT: Chatterjee, Malaya  
 APPLICANT: Foon, Kenneth A.  
 APPLICANT: Kohler, Heinz  
 APPLICANT: Chatterjee, Sunil K.  
 TITLE OF INVENTION: MORINE MONOCLONAL ANTI-IDIOTYPE ANTIBODY  
 TITLE OF INVENTION: MORINE MONOCLONAL ANTI-IDIOTYPE ANTIBODY  
 NUMBER OF SEQUENCES: 15  
 CORRESPONDENCE ADDRESS:  
 ADDRESS: MORRISON & FOERSTER  
 STREET: 755 Page Mill Road  
 CITY: Palo Alto  
 STATE: CA  
 COUNTRY: USA  
 ZIP: 94304-1018  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: WinPatin (Genentech)  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/466,151  
 FILING DATE:  
 CLASSIFICATION:  
 APPLICATION NUMBER: 08/466163  
 FILING DATE: 06-Jun-1995  
 APPLICATION NUMBER: 08/405617  
 FILING DATE: 15-MAR-1995  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/165899  
 FILING DATE: 26-JAN-1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 07/879495

RESULT 11  
 US-08-466-151-1  
 Sequence 11, Application US/08466151  
 Patent No. 6037453  
 GENERAL INFORMATION:  
 APPLICANT: Jardieu, Paula M.  
 APPLICANT: Preste, Leonard G.  
 NUMBER OF INVENTIONS: Immunoglobulin Variants  
 NUMBER OF SEQUENCES: 65  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Genentech, Inc.  
 STREET: 1 DNA Way  
 CITY: South San Francisco  
 STATE: California  
 COUNTRY: USA  
 ZIP: 94080  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: WinPatin (Genentech)  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/466,151  
 FILING DATE:  
 CLASSIFICATION:  
 APPLICATION NUMBER: 08/466163  
 FILING DATE: 06-Jun-1995  
 APPLICATION NUMBER: 08/405617  
 FILING DATE: 15-MAR-1995  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/165899  
 FILING DATE: 26-JAN-1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 07/879495

US-08-579-940-B

Query Match Score 416.5; DB 2; Length 320;  
Best Local Similarity 30.8%; Pred. No. 5.8e-32;  
Matches 101; Conservative 58; Mismatches 148; Indels 21; Gaps 8;

Qy 2 TPTVKIQLQQSGGGFPPTIQLLCIVSGTPTGTINITYLVEDGQMDVLDSTAATTCQEG 61  
Db 4 TPTVYFLAPGSNAASQ - SAVTGLCLVKGYFPEPTVTW NSG --- SLSGGYHTFP 55

RESULT 14  
US-09-428-002B-12  
Do 170 ESN -GQDENNKTTPVLDSDGSFFLYSKUTVDKSRWQQENVFSCSVMEHALHNHYT-Q 226

Qy 62 ELASTOSELTSQKHNWLSDRFTYCQTYQGHTF ----- EDSTTKKCADSNPRGVSA 112  
Db 56 VLSQKNTLSSSVSVPSPETVTNCVAHAPSSTKVDKKIVERDCGCKPCLCTVPEVSSVF 115

Qy 113 LSRSPSPD-LFIRKSPTITCLVVDLAFSKGTIVNLWTSRASGKPVNHSTRKEKQRNGTLT 171  
Db 116 IFPKPKPDTLTIVTPKTVQVVDISKDDPVPQFSMVEVHTAQTCVPEEQRNEQNSTR 175

Qy 172 VTSILPGTRDPIEGTYQCRVTHPHLPRALMRSTTKTSQPSRAAPEVYAFATPMPGSD 231  
Db 176 VVSALPIMHODWLNGKEFKCRVNRNSAAFAPEKTTKXKPRAQVYTIPPKQEMARD 235

Qy 232 KRTLACLQNMPEIDSYQWHLNEVQLPDRDARHSTTOPRKTKGSFVFSRLEVTRAEWQ 291  
Db 236 KVSLTCMTDFFPEDIIVW-QSDGQAPE-NYKNTQOPTMDGSFVYSKLNQVKSNNWA 293

Qy 292 KDFPICHAVHEAASPOTVQRAVSYNPG 31.9  
Db 294 GNTFTCSVLHGLHNHT-EKLSMSPG 320

RESULT 13  
US-09-131-247-6  
Do 6 Application US/09131247  
Patent No. 6224170  
GENERAL INFORMATION:  
APPLICANT: Boone, Thomas C.  
APPLICANT: Harshenson, Susan  
APPLICANT: Bevilacqua, Michael P.  
APPLICANT: Collins, David S.  
TITLE OF INVENTION: COMPOSITION AND METHOD FOR TREATING INFLAMMATORY  
TITLE OF INVENTION: DISEASES  
FILE REFERENCE: A-365P  
CURRENT APPLICATION NUMBER: US/09/131,247  
CURRENT FILING DATE: 1998-08-07  
EARLIER APPLICATION NUMBER: 60/055,185  
EARLIER FILING DATE: 1997-08-08  
EARLIER APPLICATION NUMBER: PCT/US 97/02131  
EARLIER FILING DATE: 1997-02-10  
NUMBER OF SEQ ID NOS: 16  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 6  
LENGTH: 35  
TYPE: PRT  
ORGANISM: Human  
US-09-131-247-6

Query Match Score 356; DB 3; Length 235;  
Best Local Similarity 33.3%; Pred. No. 2.5e-26;  
Matches 83; Conservative 44; Mismatches 94; Indels 28; Gaps 7;

Qy 79 SDRTYTCQTYQGHTFEDSTTKC-ADSNPROGVSAYLSRSPSPFD-BFIRKSPTRICLVYL 136  
Db 8 SDTHTTC-----BPCPADELLGGPSVLFPPKPKDTMISRPEVTCVVWDY 54

Qy 137 APSKGTVNLWTSRASGKPVNHSTRKEKQRNGTLTSTLPVGTRDWIGETYQCRVTHP 196  
Db 55 SHEDPEVKFNNTVDGVEVNARTKPKREEQYNTYRVSVSLHQDWLKEYKCKVSNK 114

Qy 197 HLPALMRSTTKTSGPRAAPEVYAFATPENWSRDKRT----LACLIONMPEDISHW 251  
Db 115 ALPAPIEKTISSAKGQPREQYVTL----PSPRDELTKNQVSLTCLVKGYPSPDIAVEN 169

Qy 252 LINEVOLFDARHSTTOPRKTKGSFFVFSRLEVTRAEWQDEFICRAVHEAASPOTVQ 311  
Do 170 ESN -GQDENNKTTPVLDSDGSFFLYSKUTVDKSRWQQENVFSCSVMEHALHNHYT-Q 226

Qy 312 RAVSVNPGK 320  
Db 227 KSLSLSPK 235

RESULT 15  
US-09-428-002B-10  
Do 170 Application US/09428082B  
Patent No. 666843  
GENERAL INFORMATION:  
APPLICANT: FEIGE, ULRICH  
APPLICANT: LIU, CHUAN FA  
APPLICANT: CHEETHAM, JANET C.  
APPLICANT: BOONE, THOMAS CHARLES  
TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS  
FILE REFERENCE: A-527  
CURRENT APPLICATION NUMBER: US/09/428-002B  
CURRENT FILING DATE: 1999-10-22  
PRIOR APPLICATION NUMBER: 60/105,371  
NUMBER OF SEQ ID NOS: 1133  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 12  
LENGTH: 247  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: TYP-FC  
US-09-428-002B-12

Query Match Score 356; DB 4; Length 247;  
Best Local Similarity 32.2%; Pred. No. 2.7e-26;  
Matches 84; Conservative 46; Mismatches 95; Indels 36; Gaps 8;

Qy 75 KHWLS-----DRTYTCQTYQGHTFEDSTTKC-ADSNPROGVSAYLSRSPSPFD-LFIR 124  
Do 8 RQWLAARAGGGGGDKTHC-----PCCPAELGGPSVFLFPKPKDTLMIS 54

Qy 125 KSPTTICLWDLAPSKGTVNLWTSRASGKPVNHSTRKEKQRNGTLTSLPVGTRDWI 184  
Do 55 RTEVTVCVVDYSHEDPEVKENWYDGEVEVNARTKPKREEQYNTYRVSVSLTVLHQDWL 114

Qy 185 EGTYQCPVTHPHLPRALMRSTTKTSGPRAAPEVYAFATPENWSRDKRT----LACLI 239  
Do 115 NGFEYKCKVSNKALPAIEKTISSAKGQPREQYVTL----PSPRDELTKNQVSLTCLV 169

Qy 240 QNMPEDISVQWHLNEVQLPDRHSTTQPRTKGSFFVFRLEYTRAEWQKDEBICRA 299  
Do 170 KGYPSPDAAVEWSN - QOPENNYKTTPPVLDSDGSFFLYSKUTVDKSRWQQGNYFSCSV 227

Qy 300 VHEAASPOTVORAVSYNPGK 320  
Do 228 MHEALHNHYT-QKSLSLSPK 247

; PRIOR FILING DATE: 1998-10-23  
; NUMBER OF SEQ ID NOs: 1133  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO: 10  
; LENGTH: 269  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: TMP-TMP-FC  
US-09-428-082B-10

Query Match 20.9%; Score 356; DB 4; Length 269;  
Best Local Similarity 32.2%; Pred. No. 3 1e-26;

Matches 84; Conservative 46; Mismatches 95; Indels 36; Gaps 8;

Qy 75 KHWLS-----DRTYTCQVTVQGHTFEDSTKKC-ADSNPRGVSAVLSRSPSPED-LFIR 124

Db 30 RQWIAARAGGGGDKHTC-----PPCPAPBLGGPSVFLFPCKDNTMIS 76

Qy 125 KSPPTITCLVYDLAPSKGTVNLTNRSASGKPVNHSSTRKEKQRNGTLTVTSILPVGTRDWI 184

Db 77 RTPEYTCVVVVDVSHEDPEYKFNYYVDGTEVHNAXTKPPEEQNSTYRVSVTVLHDWL 136

Qy 185 EGETYQCRVTHPHPRALMRSTIKTSGPRAPEVYAFATPEWGSRDYKT----LACLI 239

Db 137 NGKEYKCKVSKNALPAPIEKTISAKGQPREPVQVTL----PPSRDDELTKNQVSLLTCLV 191

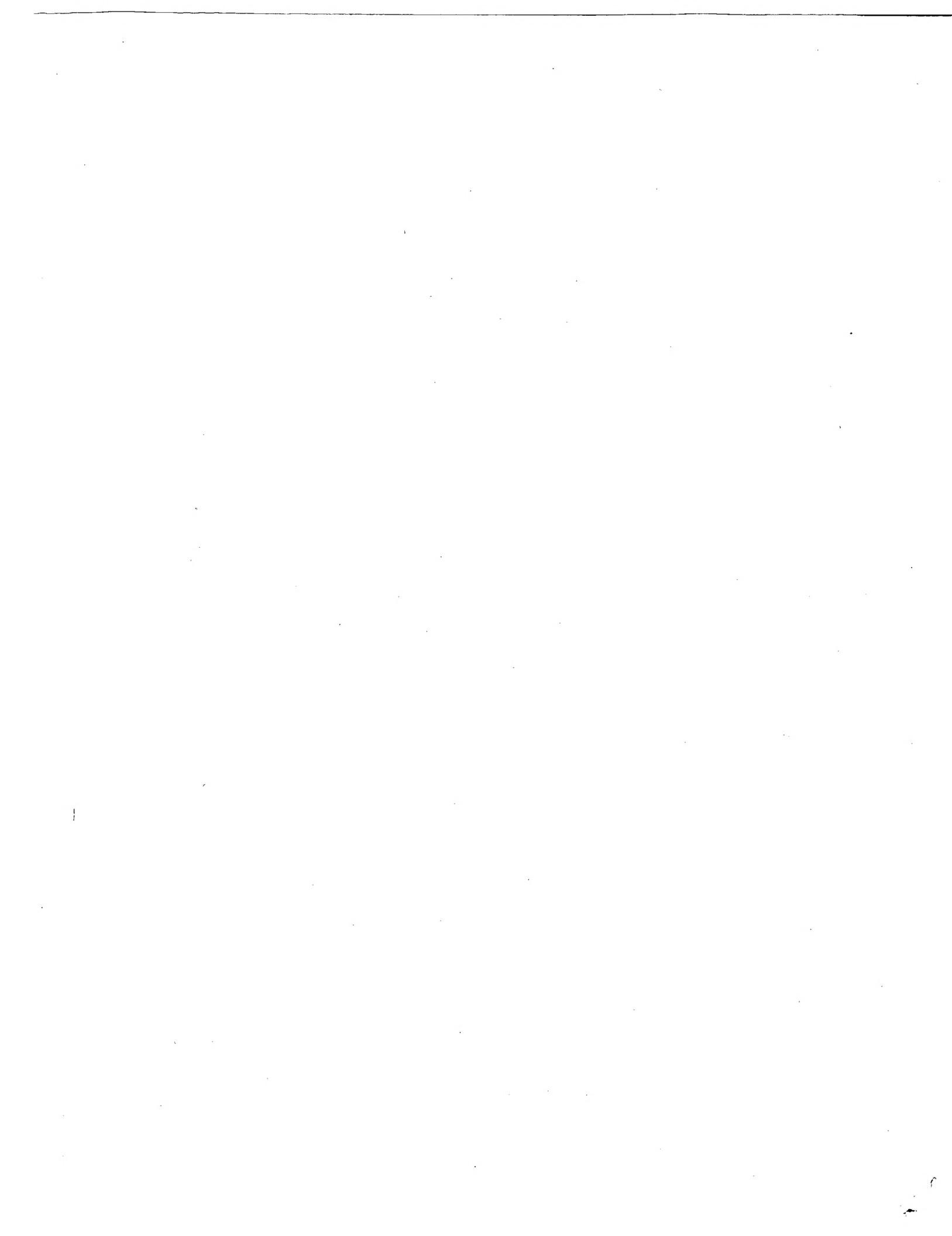
Qy 240 QNFEMPDISVQWLINEVQLPDARSTTQPKRKTSQGZPFVFSRLUEVTRAWEQXDEFICRA 299

Db 192 KGFPSPSDIAWESN--GQBNENYKTTPEVLDSDGSFFLYSLTVDSRWWQGNVFSCSV 249

Qy 300 VHEAASPSCQTVCQRAVSVNPCK 320

Db 250 MHEALHNHYT-QKSUSLSPRK 269

Search completed: August 18, 2004, 01:18:15  
Job time : 19 secs



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OM Protein - Protein Search, using SW model

Run on: August 18, 2004, 01:16:55 ; Search time 45 Seconds  
(without alignments)

Title: US-09-847-208B-6

Perfect score: 1707

Sequence: 1 FPPPTKILQSSCDGGHFP.....HEAASPSQTvQRAVSVNGK 320

Scoring table: BILOSUM2

Gapop 10.0 , Gapext 0.5

Searched: 1292805 seqs, 313927144 residues

Total number of hits satisfying chosen parameters: 933824

Minimum DB seq length: 0

Maximum DB seq length: 320

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing First 45 summaries

Database : Published Applications AA,\*

1: /cgna2\_6/podata/1/pubpaas/US07\_PUBCOMB.pep:\*

2: /cgna2\_6/podata/1/pubpaas/PCT\_NEW\_PUB.PEP:\*

3: /cgna2\_6/podata/1/pubpaas/US06\_NEW\_PUB.PEP:\*

4: /cgna2\_6/podata/1/pubpaas/US05\_NEW\_PUB.PEP:\*

5: /cgna2\_6/podata/1/pubpaas/US04\_NEW\_PUB.PEP:\*

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18: /cgna2\_6/podata/1/pubpaas/US00\_PUBCOMB.pep:\*

Published Applications AA,\*

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4: /cgna2\_6/podata/1/pubpaas/US05\_NEW\_PUB.PEP:\*

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9: /cgna2\_6/podata/1/pubpaas/US0A\_PUBCOMB.pep:\*

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18: /cgna2\_6/podata/1/pubpaas/US00\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1707	100.0	320	10	US-09-847-208-5
2	1707	100.0	320	12	US-10-000-439-6
3	1171	68.5	220	16	US-10-704-406-3
4	1158	67.8	222	9	US-09-809-746-2
5	1158	67.8	222	10	US-09-809-715-6
6	1158	67.8	222	16	US-10-704-406-2
7	1011.5	59.3	236	14	US-10-152-190-9
8	602	35.3	115	14	US-10-152-190-4
9	581	34.0	109	14	US-10-214-524-41
10	570	33.4	107	14	US-10-214-524-42
11	566.5	33.2	109	9	US-09-802-077-1
12	566.5	33.2	109	9	US-09-802-066-1
13	566.5	33.2	109	10	US-09-925-179-1
14	554	32.5	129	14	US-10-152-190-6
15	551	32.3	108	14	US-10-152-190-8

ALIGNMENTS					
US-09-847-208-6	;	Sequence 6, Application US/09847208	;	Sequence 6, Application US/09847208	;
	;	Publication No. US00030082190A1	;	Publication No. US00030082190A1	;
	;	GENERAL INFORMATION:	;	GENERAL INFORMATION:	;
	;	APPLICANT: Saxon, Andrew	;	APPLICANT: Saxon, Andrew	;
	;	INVENTOR: Zhang, Ke	;	INVENTOR: Zhang, Ke	;
	;	Zhuo, Daocheng	;	Zhuo, Daocheng	;
	;	TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF	;	TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF	;
	;	198-MEDIATED ALLERGIC DISEASES	;	198-MEDIATED ALLERGIC DISEASES	;
	;	FILE REFERENCE: UC67.002A	;	FILE REFERENCE: UC67.002A	;
	;	CURRENT APPLICATION NUMBER: US/09/847,208	;	CURRENT APPLICATION NUMBER: US/09/847,208	;
	;	CURRENT FILING DATE: 2001-05-01	;	CURRENT FILING DATE: 2001-05-01	;
	;	NUMBER OF SEQ ID NOs: 177	;	NUMBER OF SEQ ID NOs: 177	;
	;	SOFTWARE: FastSEQ for Windows Version 4.0	;	SOFTWARE: FastSEQ for Windows Version 4.0	;
	;	SEQ ID NO: 6	;	SEQ ID NO: 6	;
	;	TYPE: PRT	;	TYPE: PRT	;
	;	ORGANISM: Homo sapiens	;	ORGANISM: Homo sapiens	;
US-09-847-208-6	;	US-09-847-208-6	;	US-09-847-208-6	;

Sequence 7, Appli

Sequence 3, Appli

Sequence 2, Appli

Sequence 8, Appli

Sequence 3, Appli

Sequence 4, Appli

Sequence 1, Appli

Sequence 31, Appli

Sequence 33, Appli

Sequence 28, Appli

Sequence 11, Appli

Sequence 21, Appli

Sequence 23, Appli

Sequence 25, Appli

Sequence 26, Appli

Sequence 27, Appli

Sequence 28, Appli

Sequence 29, Appli

Sequence 30, Appli

Sequence 31, Appli

Sequence 32, Appli

Sequence 33, Appli

Sequence 34, Appli

Sequence 35, Appli

Sequence 36, Appli

Sequence 37, Appli

Sequence 38, Appli

Sequence 39, Appli

Sequence 40, Appli

Sequence 41, Appli

Sequence 42, Appli

Sequence 43, Appli

Sequence 44, Appli

Sequence 45, Appli

Sequence 46, Appli

Sequence 47, Appli

Sequence 48, Appli

Sequence 49, Appli

Sequence 50, Appli

Sequence 51, Appli

Sequence 52, Appli

Sequence 53, Appli

Sequence 54, Appli

Sequence 55, Appli

Sequence 56, Appli

Sequence 57, Appli

Sequence 58, Appli

Sequence 59, Appli

Sequence 60, Appli

Sequence 61, Appli

Sequence 62, Appli

Sequence 63, Appli

Sequence 64, Appli

Sequence 65, Appli

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Sequence 67, Appli

Sequence 68, Appli

Sequence 69, Appli

Sequence 70, Appli

Sequence 71, Appli

Sequence 72, Appli

Sequence 73, Appli

Sequence 74, Appli

Sequence 75, Appli

Sequence 76, Appli

Sequence 77, Appli

Sequence 78, Appli

Sequence 79, Appli

Sequence 80, Appli

Sequence 81, Appli

Sequence 82, Appli

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Sequence 85, Appli

Sequence 86, Appli

Sequence 87, Appli

Sequence 88, Appli

Sequence 89, Appli

Sequence 90, Appli

Sequence 91, Appli

Sequence 92, Appli

Sequence 93, Appli

Sequence 94, Appli

Sequence 95, Appli

Sequence 96, Appli

Sequence 97, Appli

Sequence 98, Appli

Sequence 99, Appli

Sequence 100, Appli

Sequence 101, Appli

Sequence 102, Appli

Sequence 103, Appli

Sequence 104, Appli

Sequence 105, Appli

Sequence 106, Appli

Sequence 107, Appli

Sequence 108, Appli

Sequence 109, Appli

Sequence 110, Appli

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Sequence 112, Appli

Sequence 113, Appli

Sequence 114, Appli

Sequence 115, Appli

Sequence 116, Appli

Sequence 117, Appli

Sequence 118, Appli

Sequence 119, Appli

Sequence 120, Appli

Sequence 121, Appli

Sequence 122, Appli

Sequence 123, Appli

Sequence 124, Appli

Sequence 125, Appli

Sequence 126, Appli

Sequence 127, Appli

Sequence 128, Appli

Sequence 129, Appli

Sequence 130, Appli

Sequence 131, Appli

Sequence 132, Appli

Sequence 133, Appli

Sequence 134, Appli

Sequence 135, Appli

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Sequence 141, Appli

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Sequence 164, Appli

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Sequence 166, Appli

Sequence 167, Appli

Sequence 168, Appli

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Sequence 171, Appli

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Sequence 173, Appli

Sequence 174, Appli

Sequence 175, Appli

Sequence 176, Appli

Sequence 177, Appli

Sequence 178, Appli

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Sequence 182, Appli

Sequence 183, Appli

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Sequence 185, Appli

Sequence 186, Appli

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Sequence 196, Appli

Sequence 197, Appli

Sequence 198, Appli

Sequence 199, Appli

Sequence 200, Appli

Sequence 201, Appli

Sequence 202, Appli

Sequence 203, Appli

Sequence 204, Appli

Sequence 205, Appli

Sequence 206, Appli

Sequence 207, Appli

Sequence 208, Appli

Sequence 209, Appli

Sequence 210, Appli

Sequence 211, Appli

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Sequence 213, Appli

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Sequence 216, Appli

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Sequence 2

Db 181 RDWIEGETYQCRVTHPLPRAILRSSTKTKTSRPAEEVYAFATPWPGSDKRTIACLQ 240  
 Qy 241 NFMPEDISVQWLNEVOLPDAHSTTOPRKTKGSFFVFSLEVTRAEEWKDEFICRAV 300  
 Db 241 NFMPEDISVQWLNEVOLPDAHSTTOPRKTKGSFFVFSLEVTRAEEWKDEFICRAV 300  
 Qy 301 HEAASPCTVQRAYSVNPGK 320  
 Db 301 HEAASPCTVQRAYSVNPGK 320

## RESULT 2

US-10-000-439-6

Sequence 6, Application US/10000439

Publication No. US20030064063A1

## GENERAL INFORMATION:

Applicant: Saxon, Andrew

Title of Invention: FUSION MOLECULES AND METHODS FOR

Title of Invention: TREATMENT OF IMMUNE DISEASES

Current Application Number: US/10/000,439

Current Filing Date: 2001-10-14

Prior Application Number: US 09/847,208

Prior Filing Date: 2001-05-01

Number of SEQ ID NOS: 13

Software: FASTSEQ for Windows Version 4.0

SEQ ID NO: 6

Length: 320

Type: PRT

Organism: Homo sapiens

US-10-000-439-6

Query Match 100.0%; Score 1707; DB 12; Length 320;  
 Best Local Similarity 100.0%; Pred. No. 1..8e-139;  
 Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTPPTVKILQSSCDGGHHFPPTIQLCQVSYTGTINTIWLEDGQMDYVDLSTAATTOE 60  
 Db 1 FIPPTVKILQSSCDGGHHFPPTIQLCQVSYTGTINTIWLEDQMDYVDLSTAATTOE 60Qy 61 GELASTOSELTLSQKHWLSDRITYTCQVTCQVHTFEEDSTKCADSNPRGVSYAISLRSPSPFD 120  
 Db 61 GELASTOSELTLSQKHWLSDRITYTCQVTCQVHTFEEDSTKCADSNPRGVSYAISLRSPSPFD 120Qy 121 LFTRKSPITCLVVDLAPSKGTVNLTVSRAGKPKNTSHKEEKORNGHTVTLVPLVGT 180  
 Db 121 LFTRKSPITCLVVDLAPSKGTVNLTVSRAGKPKNTSHKEEKORNGHTVTLVPLVGT 180Qy 181 RDWIEGETYQCRVTHPLPRAILRSSTKTKTSRPAEEVYAFATPWPGSDKRTIACLQ 240  
 Db 181 RDWIEGETYQCRVTHPLPRAILRSSTKTKTSRPAEEVYAFATPWPGSDKRTIACLQ 240Qy 241 NFMPEDISVQWLNEVOLPDAHSTTOPRKTKGSFFVFSLEVTRAEEWKDEFICRAV 300  
 Db 241 NFMPEDISVQWLNEVOLPDAHSTTOPRKTKGSFFVFSLEVTRAEEWKDEFICRAV 300Qy 301 HEAASPCTVQRAYSVNPGK 320  
 Db 301 HEAASPCTVQRAYSVNPGK 320

Query Match 68.6%; Score 1171; DB 16; Length 220;

Best Local Similarity 100.0%; Pred. No. 3e-93; Mismatches 0; Indels 0; Gaps 0;

Matches 220; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 101 CADSNPRGVSYAISLRSPSPFDLFIRKSPITCLVVDLAPSKGTVNLTVSRAGKPKVNHSSTR 160  
 Db 1 CADSNPRGVSYAISLRSPSPFDLFIRKSPITCLVVDLAPSKGTVNLTVSRAGKPKVNHSSTR 160Qy 161 KEEKQNRGNTLTVTSTLPVGTDRDIEGTYQCRVTHPLPRAILRSSTKTKTSRPAEEVYA 220  
 Db 61 KEEKQNRGNTLTVTSTLPVGTDRDIEGTYQCRVTHPLPRAILRSSTKTKTSRPAEEVYA 120Qy 221 FATEWPGRSDKRTLACLQNMPEDISVQWLNEVOLPDAHSTTOPRKTKGSFFVFS 280  
 Db 121 FATEWPGRSDKRTLACLQNMPEDISVQWLNEVOLPDAHSTTOPRKTKGSFFVFS 180Qy 281 RLEVTRAEWQDEFICRAVHAAASPQTQVRAYSVNPGK 320  
 Db 181 RLEVTRAEWQDEFICRAVHAAASPQTQVRAYSVNPGK 220

## RESULT 4

US-09-809-746-2

Qy 1 Sequence 4, Application US/0909746

Db 1 Patent No. US2010019479A1

Qy 61 GENERAL INFORMATION:

Applicant: Jardezyk, Theodore S.

Title of Invention: THREE-DIMENSIONAL MODEL OF A FC REGION OF AN IgE

ANTIBODY AND USES THEREOF

File Reference: AL-9-C2

Current Application Number: US/09/809,746

Current Filing Date: 2001-03-15

Prior Application Number: 60/234,877

Prior Filing Date: 2000-09-12

Prior Application Number: 60/189,403

Prior Filing Date: 2000-03-15

Number of SEQ ID NOS: 2

Software: PatentIn Ver. 2.1

SEQ ID NO: 2

Type: PRT

Organism: Homo sapiens

US-09-809-746-2

Query Match 67.8%; Score 1158; DB 9; Length 222;

Best Local Similarity 100.0%; Pred. No. 4.1e-92; Mismatches 0; Indels 0; Gaps 0;

Matches 218; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 103 DSNPRGVSYAISLRSPSPFDLFIRKSPITCLVVDLAPSKGTVNLTVSRAGKPKVNHSSTR 162  
 Db 5 DSNPRGVSYAISLRSPSPFDLFIRKSPITCLVVDLAPSKGTVNLTVSRAGKPKVNHSSTR 164Qy 163 EKQRGNTLTVTSTLPVGTDRDIEGTYQCRVTHPLPRAILRSSTKTKTSRPAEEVYA 222  
 Db 65 EKQRGNTLTVTSTLPVGTDRDIEGTYQCRVTHPLPRAILRSSTKTKTSRPAEEVYA 124

Qy 223 TPEWPGRSDKRTLACLQNMPEDISVQWLNEVOLPDAHSTTOPRKTKGSFFVFSRL 282

Sequence 3, Application US/10704406

Publication No. US2004013356A1

GENERAL INFORMATION:

Applicant: Jardezyk, Theodore S.

Title of Invention: THREE-DIMENSIONAL MODEL OF A FC REGION OF AN IgE ANTIBODY AND

USES THEREOF

File Reference: AL-9-C2

Current Application Number: US/10/704,406

RESULT 5  
US-09-809-715-6  
Db 125 TPWPGSRDRTLACLIONFMPEDISVQWLNEQLPDARHSTQPRKTGSGFFVFSRL 184  
Qy 283 EVTRAEWEQDEFICRAVEAAASPQTQYQRAVSYNPGK 320  
Db 185 EVTRAEWEQDEFICRAVEAAASPQTQYQRAVSYNPGK 222

Query Match 67.8%; Score 1158; DB 16; Length 222;  
Best Local Similarity 100.0%; Pred. No. 4.1e-92;  
Matches 218; Conservative 0; Indels 0; Gaps 0;

Qy 103 DSNPGRGSAVLRSRSPDPLIRKSPTTCLVYDAPSKGTIVNLTVWSRASGPVNHSRKE 162  
Db 5 DSNPGRGSAVLRSRSPDPLIRKSPTTCLVYDAPSKGTIVNLTVWSRASGPVNHSRKE 64

Qy 163 EKQRNGTLTVTSLPVGTRDIEGETYQCRVTHPLPMLRSTTKTSGRPAPEVYAF 222  
Db 65 EKQRNGTLTVTSLPVGTRDIEGETYQCRVTHPLPMLRSTTKTSGRPAPEVYAF 124

Qy 223 TPWPGSRDRTLACLQIQNFMPEDISVQWLNEVOLPDASHSTTPRKTGSGFFVFSRL 282  
Db 125 TPWPGSRDRTLACLQIQNFMPEDISVQWLNEVOLPDASHSTTPRKTGSGFFVFSRL 184

Qy 283 EVTRAEWEQDEFICRAVEAASPQTQYQRAVSYNPGK 320  
Db 185 EVTRAEWEQDEFICRAVEAASPQTQYQRAVSYNPGK 222

## RESULT 7

US-10-152-190-9  
; Sequence 9 Application US/10152190  
; Publication No. US2003009639A1  
; GENERAL INFORMATION:  
; APPLICANT: Morsey, Mohammad A.  
; TITLE OF INVENTION: NO. US2003009639A1-anaphylactogenic IgE vaccines  
; FILE REFERENCE: P01101A  
; CURRENT APPLICATION NUMBER: US/10/152,190  
; CURRENT FILING DATE: 2002-05-21  
; SEQ ID NO: 28  
; SOFTWARE: PatentIn Ver. 2.1  
; LENGTH: 236  
; TYPE: PRT  
; ORGANISM: Modified Human CH2-CH4 carrier protein

Query Match 59.3%; Score 1011.5; DB 14; Length 236;  
Best Local Similarity 61.9%; Pred. No. 2.2e-79;  
Matches 198; Conservative 7; Mismatches 4; Indels 111; Gaps 1;

Qy 1 FPPPTVILQSSCDGGHFPPTIQLVSGYTPCTINITWLEDQMDYDLSASTTQE 60  
Db 28 FPPPSVILQSSCDGGHFPPTIQLVSGYTPCTINITWLEDQMDYDLSASTTQE 87

Qy 61 GELASTQSELTISQKWLSDRFTCCQTYQHTFEDSTKCADSNPRGVSYLSPSPFD 120  
Db 88 GELASTQSELTISQKWLSDRFTCCQTYQHTFEDSTKCADSNPRGVSYLSPSPFD 128

Qy 121 LFIRKSTTICLUVVADAPSKGTIVNLTVWSRASGPVNHSRKE 180  
Db 129 ----- 128

Qy 181 RDWIEGBTYQCRVTHPLPMLRSTTKTSGRPAPEVYAFATPENPGSDRDTLACLIQ 240  
Db 157 NMPEDISVQWLNEVOLPDASHSTTPRKTGSGFFVFSRLAVTAQERQKDEFICRAI 216

Qy 301 HEAASPQTQYQRAVSYNPGK 320  
Db 217 HEAASPQTQYQRAVSYNPGK 236

RESULT 6  
US-10-704-406-2  
Db 125 TPWPGSRDRTLACLIONFMPEDISVQWLNEQLPDARHSTQPRKTGSGFFVFSRL 184  
Qy 283 EVTRAEWEQDEFICRAVEAAASPQTQYQRAVSYNPGK 320  
Db 185 EVTRAEWEQDEFICRAVEAAASPQTQYQRAVSYNPGK 222

Query Match 67.8%; Score 1158; DB 10; Length 222;  
Best Local Similarity 100.0%; Pred. No. 4.1e-92;  
Matches 218; Conservative 0; Indels 0; Gaps 0;

Qy 103 DSNPGRGSAVLRSRSPDPLIRKSPTTCLVYDAPSKGTIVNLTVWSRASGPVNHSRKE 162  
Db 5 DSNPGRGSAVLRSRSPDPLIRKSPTTCLVYDAPSKGTIVNLTVWSRASGPVNHSRKE 64

Qy 163 EKQRNGTLTVTSLPVGTRDIEGETYQCRVTHPLPMLRSTTKTSGRPAPEVYAF 222  
Db 65 EKQRNGTLTVTSLPVGTRDIEGETYQCRVTHPLPMLRSTTKTSGRPAPEVYAF 124

Qy 223 TPWPGSRDRTLACLIONFMPEDISVQWLNEQLPDARHSTTPRKTGSGFFVFSRL 282  
Db 125 TPWPGSRDRTLACLIONFMPEDISVQWLNEQLPDARHSTQPRKTGSGFFVFSRL 184

Qy 283 EVTRAEWEQDEFICRAVEAAASPQTQYQRAVSYNPGK 320  
Db 185 EVTRAEWEQDEFICRAVEAAASPQTQYQRAVSYNPGK 222

Query Match 59.3%; Score 1011.5; DB 14; Length 236;  
Best Local Similarity 61.9%; Pred. No. 2.2e-79;  
Matches 198; Conservative 7; Mismatches 4; Indels 111; Gaps 1;

Qy 1 FPPPTVILQSSCDGGHFPPTIQLVSGYTPCTINITWLEDQMDYDLSASTTQE 60  
Db 28 FPPPSVILQSSCDGGHFPPTIQLVSGYTPCTINITWLEDQMDYDLSASTTQE 87

Qy 61 GELASTQSELTISQKWLSDRFTCCQTYQHTFEDSTKCADSNPRGVSYLSPSPFD 120  
Db 88 GELASTQSELTISQKWLSDRFTCCQTYQHTFEDSTKCADSNPRGVSYLSPSPFD 128

Qy 121 LFIRKSTTICLUVVADAPSKGTIVNLTVWSRASGPVNHSRKE 180  
Db 129 ----- 128

Qy 181 RDWIEGBTYQCRVTHPLPMLRSTTKTSGRPAPEVYAFATPENPGSDRDTLACLIQ 240  
Db 157 NMPEDISVQWLNEVOLPDASHSTTPRKTGSGFFVFSRLAVTAQERQKDEFICRAI 216

Qy 301 HEAASPQTQYQRAVSYNPGK 320  
Db 217 HEAASPQTQYQRAVSYNPGK 236

RESULT 8  
 US-10-152-190-4  
 Sequence 4, Application US/10152190  
 Publication No. US20030096369A1  
 GENERAL INFORMATION:  
 APPLICANT: Morsey, Mohammad A.  
 TITLE OF INVENTION: No. US20030096369A1-anaphylactogenic IgE vaccines  
 CURRENT APPLICATION NUMBER: US/10/152,190  
 CURRENT FILING DATE: 2002-05-21  
 NUMBER OF SEQ ID NOS: 28  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO 4  
 LENGTH: 115  
 TYPE: PRT  
 ORGANISM: Human CH3  
 US-10-152-190-4

Query Match 35.3%; Score 602; DB 14; Length 115;  
 Best Local Similarity 99.1%; Pred. No. 2.6e-44;  
 Matches 114; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
 Qy 102 ADNPRGVSAYLSRSPSPDFLFRKSPTICLVYDAPSKGTVNLTMRSAGKPVNHSTRK 161  
 Db 1 ADNPRGVSAYLSRSPSPDFLFRKSPTICLVYDAPSKGTVNLTMRSAGKPVNHSTRK 60

Qy 162 EEKQRNGTLTIVSTLPGTRMIEGETYQCRVTHPHLPRALMRSTTKTSPPRAAP 216  
 Db 61 EEKQRNGTLTIVSTLPGTRMIEGETYQCRVTHPHLPRALMRSTTKTSPPRAAP 115

RESULT 9  
 US-10-214-524-41  
 Sequence 41, Application US/10214524  
 Publication No. US20030073142A1  
 GENERAL INFORMATION:  
 APPLICANT: Chen, Swey-Shen Alex  
 Yang, Yong-Min  
 Barankiewicz, Theresa J.  
 APPLICANT: Chen, Zhong  
 TITLE OF INVENTION: IMMUNOGLOBULIN E VACCINES AND METHODS OF USE THEREOF  
 CURRENT APPLICATION NUMBER: US/10/214,524  
 CURRENT FILING DATE: 2002-08-08  
 PRIOR APPLICATION NUMBER: 60/312,120  
 PRIOR FILING DATE: 2001-08-13  
 NUMBER OF SEQ ID NOS: 61  
 SOFTWARE: PatentIn version 3.1  
 SEQ ID NO 41  
 LENGTH: 109  
 TYPE: PRT  
 ORGANISM: Human (Homo sapiens)  
 US-10-214-524-41

Query Match 34.0%; Score 581; DB 14; Length 109;  
 Best Local Similarity 100.0%; Pred. No. 1.6e-42;  
 Matches 109; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Qy 212 PRAAPEYAFATPEWPGSRDKRTLACLQNMPDISVQWLNHEVOLPDAHSTTQPRKT 271  
 Db 1 PRAAPEYAFATPEWPGSRDKRTLACLQNMPDISVQWLNHEVOLPDAHSTTQPRKT 60

Qy 272 KGSGFFEVFSRLEVTRAWEQKDEFICRAVHAAASPQTQRAVSYNPGK 320  
 Db 61 KGSGFFEVFSRLEVTRAWEQKDEFICRAVHAAASPQTQRAVSYNPGK 109

RESULT 10  
 US-10-214-524-42  
 Sequence 42, Application US/10214524  
 Publication No. US20030073142A1

GENERAL INFORMATION:  
 APPLICANT: Chen, Swey-Shen Alex  
 Yang, Yong-Min  
 Barankiewicz, Theresa J.  
 APPLICANT: Chen, Zhong  
 TITLE OF INVENTION: IMMUNOGLOBULIN E VACCINES AND METHODS OF USE THEREOF  
 FILE REFERENCE: IGB-00161.P.1.1  
 CURRENT APPLICATION NUMBER: US/10/214,524  
 CURRENT FILING DATE: 2002-08-08  
 PRIOR APPLICATION NUMBER: 60/312,120  
 PRIOR FILING DATE: 2001-08-13  
 NUMBER OF SEQ ID NOS: 61  
 SOFTWARE: PatentIn version 3.1  
 SEQ ID NO 42  
 LENGTH: 107  
 TYPE: PRT  
 ORGANISM: Human (Homo sapiens)  
 US-10-214-524-42

Query Match 33.4%; Score 570; DB 14; Length 107;  
 Best Local Similarity 100.0%; Pred. No. 1.4e-41;  
 Matches 107; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Qy 212 PRAAPEYAFATPEWPGSRDKRTLACLQNMPDISVQWLNHEVOLPDAHSTTQPRKT 271  
 Db 1 PRAAPEYAFATPEWPGSRDKRTLACLQNMPDISVQWLNHEVOLPDAHSTTQPRKT 60

Qy 272 KGSGFFEVFSRLEVTRAWEQKDEFICRAVHAAASPQTQRAVSYNPG 318  
 Db 61 KGSGFFEVFSRLEVTRAWEQKDEFICRAVHAAASPQTQRAVSYNPG 107

RESULT 11  
 US-09-802-077-1  
 Sequence 1, Application US/09802077  
 Patient No. US2001003842A1  
 GENERAL INFORMATION:  
 APPLICANT: Jardieu, Paula M.  
 APPLICANT: Presta, Leonard G.  
 TITLE OF INVENTION: Method of Treating Allergic Disorders (as amended)  
 FILE REFERENCE: P0718P2C2US  
 CURRENT APPLICATION NUMBER: US/09/802,077  
 CURRENT FILING DATE: 2001-03-08  
 PRIOR APPLICATION NUMBER: US/08/405,617  
 PRIOR FILING DATE: 1995-03-15  
 PRIOR APPLICATION NUMBER: US/08/185,899  
 PRIOR FILING DATE: 1994-01-26  
 PRIOR APPLICATION NUMBER: PCT/US92/06860  
 PRIOR FILING DATE: 1992-08-14  
 PRIOR APPLICATION NUMBER: US/07/879,495  
 PRIOR FILING DATE: 1992-05-07  
 PRIOR APPLICATION NUMBER: US/07/744,768  
 NUMBER OF SEQ ID NOS: 64  
 SEQ ID NO 1  
 LENGTH: 109  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-802-077-1

Query Match 33.2%; Score 566.5; DB 9; Length 109;  
 Best Local Similarity 99.1%; Pred. No. 2.9e-41;  
 Matches 109; Conservative 0; Mismatches 0; Indels 1; Gaps 1;  
 Qy 103 DSNPRGVSYLSRSPSPFDLFIRKSPPTCLVYDAPSKGTVNLTVRSAGKPVNHSTRK 162  
 Db 1 DSNPRGVSYLSRSPSPFDLFIRKSPPTCLVYDAPSKGTVNLTVRSAGKPVNHSTRK 60

Qy 163 EKQRNGPLTVSTLPVYDGETYQCRVTHPHLPRALMRSTTKTSGP 212  
 Db 61 EKQRNGPLTVSTLPVYDGETYQCRVTHPHLPRALMRSTTKTSGP 109

RESULT 12  
US-09-802-096-1 Application US/09802096  
; Sequence 1, Application US/09802096  
; GENERAL INFORMATION:  
; Patent No. US20010038839A1  
; APPLICANT: Jardieu, Paula M.  
; APPLICANT: Presta, Leonard G.  
; TITLE OF INVENTION: Method of Preventing the Onset of Allergic Disorders (as amended)  
; FILE REFERENCE: P0718P2C3US  
; CURRENT FILING DATE: 2001-03-08  
; PRIOR APPLICATION NUMBER: US/09/802,096  
; PRIOR FILING DATE: 1995-03-15  
; PRIOR APPLICATION NUMBER: PCT/US92/06560  
; PRIOR FILING DATE: 1992-08-14  
; PRIOR APPLICATION NUMBER: US 08/185,899  
; PRIOR FILING DATE: 1992-05-07  
; PRIOR APPLICATION NUMBER: US 07/744,768  
; PRIOR FILING DATE: 1991-08-14  
; NUMBER OF SEQ ID NOS: 64  
; SEQ ID NO 1  
; LENGTH: 109  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-09-802-096-1

Query Match Score 109; Conservative 0; Mismatches 0; Indels 1; Gaps 1;  
; Matches 109;保守性 0; 错配 0; 插入 1; 缺失 1;

Qy 103 DSNPRGVSAVLSRSPFDLIRKSPITCLVVDIAPSQTGTVNLITWSRASGKPVNHSRK 162  
Db 1 DSNPRGVSAVLSRSPFDLIRKSPITCLVVDIAPSQTGTVNLITWSRASGKPVNHSRK 60

Qy 163 EKQRNGTLTIVSTLPVGTRDIEGETYQCRVTHPHLPRALMRSTTKTSGP 212  
Db 61 EKQRNGTLTIVSTLPVGTRDIEGETYQCRVTHPHLPRALMRSTTKTSGP 109

RESULT 13  
US-09-925-179-1  
; Sequence 1, Application US/09925179  
; Publication No. US20030044858A1  
; GENERAL INFORMATION:  
; APPLICANT: Jardieu, Paula M.  
; APPLICANT: Presta, Leonard G.  
; TITLE OF INVENTION: Anti-IgE Antibodies (as amended)  
; FILE REFERENCE: P0718P2C1D1CUS  
; CURRENT APPLICATION NUMBER: US/09/925,179  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR FILING DATE: 1995-06-06  
; PRIOR APPLICATION NUMBER: US 08/465,163  
; PRIOR FILING DATE: 1995-03-15  
; PRIOR APPLICATION NUMBER: US 08/405,617  
; PRIOR FILING DATE: 1991-08-14  
; PRIOR FILING DATE: 1994-01-26  
; PRIOR APPLICATION NUMBER: PCT/US92/06860  
; PRIOR FILING DATE: 1992-08-14  
; PRIOR APPLICATION NUMBER: US 07/879,495  
; PRIOR FILING DATE: 1992-05-07  
; PRIOR APPLICATION NUMBER: US 07/744,768  
; NUMBER OF SEQ ID NOS: 68  
; SEQ ID NO 1  
; LENGTH: 109  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-09-925-179-1

Query Match Score 109; Conservative 0; Mismatches 0; Indels 2; Gaps 0;  
; Matches 101;保守性 0; 错配 0; 插入 2; 缺失 0;

Qy 163 EKQRNGTLTIVSTLPVGTRDIEGETYQCRVTHPHLPRALMRSTTKTSGP 212  
Db 61 EKQRNGTLTIVSTLPVGTRDIEGETYQCRVTHPHLPRALMRSTTKTSGP 109

RESULT 14  
US-10-152-190-6  
; Sequence 6, Application US/10152190  
; Publication No. US20030096369A1  
; GENERAL INFORMATION:  
; APPLICANT: Morse, Mohamad A.  
; TITLE OF INVENTION: No. US20030096369A1-anaphylactogenic IgE vaccines  
; FILE REFERENCE: PCT10101A  
; CURRENT APPLICATION NUMBER: US/10/152,190  
; CURRENT FILING DATE: 2002-05-21  
; NUMBER OF SEQ ID NOS: 28  
; SEQ ID NO 6  
; SOFTWARE: PatentIn Ver. 2.1  
; LENGTH: 129  
; TYPE: PRT  
; ORGANISM: Baculovirus expressed human CH3 domain  
; US-10-152-190-6

Query Match Score 554; DB 14; Length 129;  
; Best Local Similarity 96.3%; Pred. No. 4.3e-40;  
; Matches 105; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 102 ADSNPRGVSAVLSRSPFDLIRKSPITCLVVDIAPSQTGTVNLITWSRASGKPVNHSRK 161  
Db 21 ADSNPRGVSAVLSRSPFDLIRKSPITCLVVDIAPSQTGTVNLITWSRASGKPVNHSRK 80

Qy 162 EKQRNGTLTIVSTLPVGTRDIEGETYQCRVTHPHLPRALMRSTTKTSGP 210  
Db 81 EKQRNGTLTIVSTLPVGTRDIEGETYQCRVTHPHLPRALMRSTTKTS 129

RESULT 15  
US-10-152-190-8  
; Sequence 8, Application US/10152190  
; Publication No. US20030096369A1  
; GENERAL INFORMATION:  
; APPLICANT: Morse, Mohamad A.  
; TITLE OF INVENTION: No. US20030096369A1-anaphylactogenic IgE vaccines  
; FILE REFERENCE: PCT10101A  
; CURRENT APPLICATION NUMBER: US/10/152,190  
; CURRENT FILING DATE: 2002-05-21  
; NUMBER OF SEQ ID NOS: 28  
; SEQ ID NO 8  
; SOFTWARE: PatentIn Ver. 2.1  
; LENGTH: 108  
; TYPE: PRT  
; ORGANISM: Modified Human CH4 Domain  
; US-10-152-190-8

Query Match Score 551; DB 14; Length 108;  
; Best Local Similarity 93.5%; Pred. No. 6.2e-40;  
; Matches 101; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

Qy 213 RAPEYVAFATPENPGSQRDKTACIJQNMPEDISVCWLFNEVOLPDRHSTTQFRKT 272  
Db 1 RAPEYVAFATPENPGSQRDKTACIJQNMPEDISVCWLFNEVOLPDRHSTTQFRKT 60

Qy 273 GSGFFVFSRLTETRAWEQDEFICBAHEAASPOTVQAVSYNPKG 320  
Db 61 GSGFFVFSRLTETRAWEQDEFICBAHEAASPOTVQAVSYNPKG 108

Query Match Score 566.5; DB 10; Length 109;  
; Best Local Similarity 99.1%; Pred. No. 2.9e-41;

Search completed: August 18, 2004, 01:22:56  
Job time : 46 secs

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## OM Protein - protein search, using sw model

Run on: August 18, 2004, 00:59:34 ; Search time 18 Seconds

(without alignments)  
665,401 million cell updates/sec

Title: US-09-847-208B-3

Perfect score: 1260

Sequence: 1 EPKSCDTHTCPPCPAPELL.....MHEALTHHYQQRSLSLSPGK 232

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 315000

Minimum DB seq length: 0

Maximum DB seq length: 232

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing First 45 summaries

## Database :

Issued\_Patents\_AA:\*

- 1: /cgn2\_6/ptodata/2/iaa/5A\_COMBO.PEP:\*
- 2: /cgn2\_6/ptodata/2/iaa/5B\_COMBO.PEP:\*
- 3: /cgn2\_6/ptodata/2/iaa/6A\_COMBO.PEP:\*
- 4: /cgn2\_6/ptodata/2/iaa/6B\_COMBO.PEP:\*
- 5: /cgn2\_6/ptodata/2/iaa/PCTUS\_COMBO.PEP:\*
- 6: /cgn2\_6/ptodata/2/iaa/backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1225	97.2	2	US-09-595-043A-50	Sequence 50, Appl1
2	1201	95.3	232	US-09-797-556-4	Sequence 4, Appl1
3	1201	95.3	232	1 US-08-225-989-4	Sequence 4, Appl1
4	1201	95.3	232	1 US-08-570-923-4	Sequence 4, Appl1
5	1201	95.3	232	1 US-08-580-014-4	Sequence 4, Appl1
6	1201	95.3	232	1 US-08-308-881-4	Sequence 4, Appl1
7	1201	95.3	232	2 US-09-163-4	Sequence 4, Appl1
8	1201	95.3	232	2 US-09-059-099-4	Sequence 4, Appl1
9	1201	95.3	232	3 US-09-058-264-4	Sequence 4, Appl1
10	1201	95.3	232	3 US-09-079-785-4	Sequence 4, Appl1
11	1201	95.3	232	4 US-09-455-962-4	Sequence 4, Appl1
12	1201	95.3	232	4 US-09-628-126-4	Sequence 4, Appl1
13	1201	95.3	232	5 FCT-US95-06530-4	Sequence 4, Appl1
14	1201	95.3	232	5 FCT-US95-15781-8	Sequence 8, Appl1
15	1195	94.8	228	4 US-09-428-082B-2	Sequence 2, Appl1
16	1195	94.8	228	4 US-09-847-249A-2	Sequence 2, Appl1
17	1195	94.8	229	4 US-09-122-144-2	Sequence 2, Appl1
18	1183	93.9	232	3 US-08-996-139-8	Sequence 8, Appl1
19	1183	93.9	232	3 US-08-995-659-8	Sequence 8, Appl1
20	1183	93.9	232	3 US-09-215-649A-8	Sequence 8, Appl1
21	1183	93.9	232	4 US-09-577-800-8	Sequence 8, Appl1
22	1183	93.9	232	4 US-09-666-496-8	Sequence 8, Appl1
23	1183	93.9	232	4 US-09-871-286-8	Sequence 8, Appl1
24	1183	93.9	232	4 US-09-871-291-8	Sequence 8, Appl1
25	1183	93.9	232	4 US-09-871-291-8	Sequence 8, Appl1
26	1183	93.9	232	4 US-09-877-650-8	Sequence 8, Appl1
27	1124	89.2	212	1 US-08-430-633-4	Sequence 4, Appl1

## RESULT 1

US-09-595-043A-50

i Sequence 50, Application US/08595043A

i Patent No. 595824

## GENERAL INFORMATION:

i APPLICANT: SGARLATO, GREGORY D.  
i TITLE OF INVENTION: PROTEIN EXPRESSION SYSTEM  
i NUMBER OF SEQUENCES: 90  
i CORRESPONDENCE ADDRESS:  
i ADDRESSEE: MEDLEN & CARROLL  
i STREET: 220 MONTGOMERY STREET, SUITE 2200  
i CITY: SAN FRANCISCO  
i STATE: CALIFORNIA  
i COUNTRY: UNITED STATES OF AMERICA  
i ZIP: 94104

## COMPUTER READABLE FORM:

i MEDIUM TYPE: Floppy disk  
i COMPUTER: IBM PC compatible  
i OPERATING SYSTEM: PC-DOS/MS-DOS  
i SOFTWARE: Patent In Release #1.0, Version #1.30  
i CURRENT APPLICATION DATA:  
i APPLICATION NUMBER: US/08/595,043A  
i FILING DATE: 31-JAN-1996  
i CLASSIFICATION: 435  
i ATTORNEY/AGENT INFORMATION:  
i NAME: CARROLL, PETER G.  
i REGISTRATION NUMBER: 32,837  
i REFERENCE/DOCKET NUMBER: SCAR-00371  
i TELECOMMUNICATION INFORMATION:  
i TELEPHONE: (415) 377-8338  
i TELEFAX: (415) 377-8338  
i INFORMATION FOR SEQ ID NO: 50:  
i SEQUENCE CHARACTERISTICS:  
i LENGTH: 232 amino acids  
i TYPE: amino acid  
i TOPLOGY: linear  
i MOLECULE TYPE: protein  
i US-08-595-043A-50

Query Match 97.2%; Score 1225; Best Local Similarity 97.0%; Pred. No. 2e-116; Matches 225; Mismatches 4; Indels 0; Gaps 0;

Ov 1 EPKSCDTHTCPPCPAPELLGGPSVLFPPXPDKLMSITPTEVTVVVDVSHEDEPEVKF 60  
Db 1 EPKSCDTHTCPPCPAPELLGGPSVLFPPXPDKLMSITPTEVTVVVDVSHEDEPEVKF 60

Qy 61 NWYDGVHNVTKTKEEQYNSTYRVSVLTIVHQWYNGKEYCKVSNKALPAIEXT 120  
Db 61 NWYDGVHNVAKTKPREQYNSTYRVSVLTIVHQWYNGKEYCKVSNKALPAIEXT 120

RESULT 2  
 US-07-797-556-4  
 Sequence 4, Application US/077979556  
 Patent No. 526522  
 GENERAL INFORMATION:  
 APPLICANT: Gearing, David P.  
 TITLE OF INVENTION: Receptor for Oncostatin M and Leukemia  
 NUMBER OF SEQUENCES: 17  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Immunex Corporation  
 STREET: 51 University Street  
 CITY: Seattle  
 STATE: WA  
 COUNTRY: USA  
 ZIP: 98101  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: Apple Macintosh  
 OPERATING SYSTEM: Apple Macintosh  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US 08/225,989  
 FILING DATE: 12 APRIL 1994  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/966,775  
 FILING DATE: 27-OCT-1992  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 907,224  
 FILING DATE: 01-JUL-1992  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 899,660  
 FILING DATE: 15-JUN-1992  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 92,459  
 FILING DATE: 02-JUN-1992  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 89,717  
 FILING DATE: 26-MAY-1992  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Seese, Kathryn A.  
 REGISTRATION NUMBER: 32,172  
 REFERENCE DOCKET NUMBER: 2507  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 206-587-0430  
 TELEFAX: 206-587-0606  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 232 amino acids  
 TYPE: AMINO ACID  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-07-797-556-4

Query Match Score 1201; DB 1; Length 232;  
 Best Local Similarity 94.4%; Pred. No. 5.5e-114;  
 Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

Db 1 EPKSCDKHTCPCPAPELLGGPSVFLPPPKPDTLMISRPEVTCVVVDVSHEDPEVKF 60  
 Db 1 EPKSCDKHTCPCPAPELLGGPSVFLPPPKPDTLMISRPEVTCVVVDVSHEDPEVKF 60  
 Qy 61 NWYVDGVEHNYTKPQEQQNSTYRVSVTLYHONWNGKEYCKVSNKALAPIEKT 120  
 Db 61 NWYVDGVEHNAKTKPQEQQNSTYRVSVTLYHONWNGKEYCKVSNKALAPIEKT 120  
 Qy 121 ISKAKYQPREPOVTLPSSRDELTKQVSCLVKGFPSSIAVWEWSQOPENYYKTP 180  
 Db 121 ISKAKYQPREPOVTLPSSRDELTKQVSCLVKGFPSSIAVWEWSQOPENYYKTP 180  
 Qy 181 PYLDVGSSFFLPLYSKLTVDKSRQCGNPFSCSYMHEALHNYYQRSLSLSGK 232  
 Db- 181 PYLDVGSSFFLPLYSKLTVDKSRQCGNPFSCSYMHEALHNYYQRSLSLSGK 232

Query Match Score 1201; DB 1; Length 232;  
 Best Local Similarity 94.4%; Pred. No. 5.5e-114;  
 Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

Qy 1 EPKSCDKHTCPCPAPELLGGPSVFLPPPKPDTLMISRPEVTCVVVDVSHEDPEVKF 60  
 Db 1 EPKSCDKHTCPCPAPELLGGPSVFLPPPKPDTLMISRPEVTCVVVDVSHEDPEVKF 60  
 Qy 61 NWYVDGVEHNYTKPQEQQNSTYRVSVTLYHONWNGKEYCKVSNKALAPIEKT 120  
 Db 61 NWYVDGVEHNAKTKPQEQQNSTYRVSVTLYHONWNGKEYCKVSNKALAPIEKT 120  
 Qy 121 ISKAKYQPREPOVTLPSSRDELTKQVSCLVKGFPSSIAVWEWSQOPENYYKTP 180  
 Db 121 ISKAKYQPREPOVTLPSSRDELTKQVSCLVKGFPSSIAVWEWSQOPENYYKTP 180  
 Qy 121 ISKAKYQPREPOVTLPSSRDELTKQVSCLVKGFPSSIAVWEWSQOPENYYKTP 180  
 Db 121 ISKAKYQPREPOVTLPSSRDELTKQVSCLVKGFPSSIAVWEWSQOPENYYKTP 180

RESULT 3  
 US-08-225-989--4

QY 181 PVLDVGSSFFLYSKLTVDKSRWQQNYPSCSYNHEALTHNYQORSLSLSPGK 232  
 Db 181 PVLDGSSFFLYSKLTVDKSRWQQNYPSCSYNHEALTHNYQORSLSLSPGK 232

RESULT 4  
 US-08-570-923-4  
 Sequence 4, Application US/08570923  
 Patent No. 5677430  
 GENERAL INFORMATION:  
 APPLICANT: Goodwin, Raymond G.  
 APPLICANT: Smith, Craig A.  
 APPLICANT: Armitage, Richard J.  
 APPLICANT: Gruss, Hans-Jurgen  
 TITLE OF INVENTION: No. 5677430el Cytokine That Binds CD30  
 NUMBER OF SEQUENCES: 23  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Kathryn A. Seese, Immunex Corporation  
 STREET: 51 University Street  
 CITY: Seattle  
 STATE: Washington  
 COUNTRY: USA  
 ZIP: 98101  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: Apple Macintosh  
 OPERATING SYSTEM: Apple 7.1  
 SOFTWARE: Microsoft Word, Version 5.1a  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/570,923  
 FILING DATE: 12-DEC-1995  
 CLASSIFICATION: 530  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/08/225,989  
 FILING DATE: 12-APRIL-1994  
 APPLICATION NUMBER: US 07/966,775  
 FILING DATE: 27-OCT-1992  
 CLASSIFICATION: 530  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 907,224  
 FILING DATE: 01-JUL-1992  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 899,660  
 FILING DATE: 15-JUN-1992  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 892,459  
 FILING DATE: 02-JUN-1992  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 889,717  
 FILING DATE: 26-MAY-1992  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Seese, Kathryn A.  
 REGISTRATION NUMBER: 32,172  
 REFERENCE/DOCKET NUMBER: 2804-E  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (206) 587-0430  
 TELEX: 756922  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 232 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-570-923-4

QY 61 NWYDGVENVVKTPREEQYNSTYRVSVLTIVLHQNNWNGKEYKCKVSNKALPAPIKT 120  
 Db 61 NWYDGVENVAKTPREEQYNSTYRVVVLTVHQDWINGKDYRKVSNKALPAPIKT 120

RESULT 5  
 US/08-580-014-4  
 Sequence 4, Application US/08580014  
 Patent No. 5753203  
 GENERAL INFORMATION:  
 APPLICANT: Goodwin, Raymond G.  
 APPLICANT: Smith, Craig A.  
 APPLICANT: Armitage, Richard J.  
 APPLICANT: Gruss, Hans-Jurgen  
 TITLE OF INVENTION: No. 5753203el Cytokine That Binds CD30  
 NUMBER OF SEQUENCES: 23  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Kathryn A. Seese, Immunex Corporation  
 STREET: 51 University Street  
 CITY: Seattle  
 STATE: Washington  
 COUNTRY: USA  
 ZIP: 98101  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: Apple Macintosh  
 OPERATING SYSTEM: Apple 7.1  
 SOFTWARE: Microsoft Word, Version 5.1a  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/580,014  
 FILING DATE: 20-DEC-1995  
 CLASSIFICATION: 530  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/08/225,989  
 FILING DATE: 01-JUL-1992  
 APPLICATION NUMBER: US 907,224  
 FILING DATE: 01-JUL-1992  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 899,660  
 FILING DATE: 15-JUN-1992  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 892,459  
 FILING DATE: 01-JUL-1992  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 889,717  
 FILING DATE: 26-MAY-1992  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Seese, Kathryn A.  
 REGISTRATION NUMBER: 32,172  
 REFERENCE/DOCKET NUMBER: 2804-E  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (206) 233-0644  
 TELEX: 756922  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 232 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-570-923-4

QY 1 EPKSDCKTHCPCPAPELGGPSVLEPDKPKDTLMISPTETCVCVVDHEDPEYKF 60  
 Db 1 EPRSDCKTHCPCPAPELGGPSVLEPDKPKDTLMISRTPEVTCVVDHEDPEYKF 60

US-08-580-014-4

Query Match 95.3%; Score 1201; DB 1; Length 232;  
Best Local Similarity 94.4%; Pred. No. 5 5e-114;  
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

Qy 1 EPRSCDKHTCPCPAPBLLGGPSVFLFPPKPKDTLMISRPEVTCVVVDPSHEDPEVKF 60  
Db 1 EPRSCDKHTCPCPAPBLLGGPSVFLFPPKPKDTLMISRPEVTCVVVDPSHEDPEVKF 60

Qy 61 NWYDGVVEHNVTKPQEQQNSTYRVSVLTLHQNMNGKEYCKVSNKALPAPIEKT 120  
Db 61 NWYDGVVEHNAKTKPQEQQNSTYRVSVLTLHQDLNGDYCKVSNKALPAPMQKT 120

Qy 121 ISKAKVQPREPOQYTLPSRDELTKNQVSLTCLVKGEPYPSDVAVENESNGOPENNYKTP 180  
Db 121 ISKAKGQPREPQYTLPSRDELTKNQVSLTCLVKGYPYPRHAEVENSNGOPENNYKTP 180

Qy 61 NWYDGVVEHNVTKPQEQQNSTYRVSVLTLHQNMNGKEYCKVSNKALPAPIEKT 120  
Db 61 NWYDGVVEHNAKTKPQEQQNSTYRVSVLTLHQDLNGDYCKVSNKALPAPMQKT 120

Qy 121 ISKAKVQPREPOQYTLPSRDELTKNQVSLTCLVKGFPYPSIAEVENSNGOPENNYKTP 180  
Db 121 ISKAKGQPREPQYTLPSRDELTKNQVSLTCLVKGFPYPRIAEVENSNGOPENNYKTP 180

Qy 181 PVLDVGSGFFLYSKLTVDKSRMNGVFCSTUMHEALTHYQORSLSISPGK 232  
Db 181 PVLDSDGSFFLYSKLTVDKSRMNGVFCSTUMHEALTHYQORSLSISPGK 232

RESULT 6  
US-09-308-881-4  
Sequence 4, Application US/08308881

GENERAL INFORMATION:  
APPLICANT: Mosley, Bruce  
APPLICANT: Cosman, David J.  
TITLE OF INVENTION: Receptor for Oncostatin M  
NUMBER OF SEQUENCES: 11

ADDRESSSEE: Immunex Corporation  
STREET: 51 University Street  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98101

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: Apple Macintosh  
OPERATING SYSTEM: Apple 7.1  
SOFTWARE: Microsoft Word, Version 5.1a

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/058,263  
FILING DATE: 26-MAY-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Seese, Kathryn A.  
REGISTRATION NUMBER: 32,172  
REFERENCE DOCKET NUMBER: 2614-A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 587-0430  
TELEFAX: (206) 233-0644  
TELEX: 756822

INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 232 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein

US-08-308-881-4  
Query Match 95.3%; Score 1201; DB 1; Length 232;  
Best Local Similarity 94.4%; Pred. No. 5.5e-114;  
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

Qy 1 EPKSCDKHTCPCPAPBLLGGPSVFLFPPKPKDTLMISRPEVTCVVVDPSHEDPEVKF 60  
Db 1 EPRSCDKHTCPCPAPBLLGGPSVFLFPPKPKDTLMISRPEVTCVVVDPSHEDPEVKF 60

Qy 61 NWYDGVVEHNVTKPQEQQNSTYRVSVLTLHQNMNGKEYCKVSNKALPAPIEKT 120  
Db 61 NWYDGVVEHNAKTKPQEQQNSTYRVSVLTLHQDLNGDYCKVSNKALPAPMQKT 120

Qy 121 ISKAKVOPREPOVYTLPPSRDELTKNOVSLSCLVKGFYPSDIAVEWESNGQPENNYKTP 180  
 Db 121 ISKAKGQPAPQVYTLPPSRDELTKNOVSLSCLVKGFYPRHIAVEWESNGQPENNYKTP 180

RESULT 8  
 US-09-059-099-4 Application US/09059099  
 ; Patent No. 5925740  
 ; GENERAL INFORMATION:  
 ; ADDRESS: Immunoex Corporation  
 ; APPLICANT: Cosman, David J.  
 ; TITLE OF INVENTION: Receptor for Oncostatin M  
 ; NUMBER OF SEQUENCES: 11  
 ; CORRESPONDENCE ADDRESS:  
 ; CITY: Seattle  
 ; STATE: WA  
 ; ZIP: 98101  
 COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 COMPUTER: Apple Macintosh  
 OPERATING SYSTEM: Apple 7.1  
 SOFTWARE: Microsoft Word, Version 5.1a  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/059,099  
 PILING DATE:  
 CLASSIFICATION:  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US/08/308,881  
 FILING DATE: 12-SEP-1994  
 APPLICATION NUMBER: US 08/249,553  
 FILING DATE: 26-MAY-1994  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Seese, Kathryn A.  
 REGISTRATION NUMBER: 32,172  
 REFERENCE/DOCKET NUMBER: 2614-A  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (206) 587-0430  
 TELEFAX: (206) 233-0644  
 TELEX: 756822  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 232 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-09-059-099-4

Query Match 95.3% Score 1201; DB 3; Length 232;  
 Best Local Similarity 94.4%; Pred. No. 5.5e-114;  
 Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

Qy 1 EPKSDKTHTCPCKPAPBLLGSPVLFPPPKPDLMISPEVTCVVDYSHEDPVKF 60  
 Db 1 EPRSCDKTHTCPCKPAPBLLGSPVLFPPPKPDLMISPEVTCVVDYSHEDPVKF 60  
 Qy 61 NWYVGVEHNVAKTKPREEQNINSTYRVSVLTVLHQWNGKEYKCKVSNKALPAPEKT 120  
 Db 61 NWYVGVEHNVAKTKPREEQNINSTYRVSVLTVLHQWNGKEYKCKVSNKALPAPEKT 120  
 Qy 121 ISKAKVOPREPOVYTLPPSRDELTKNOVSLSCLVKGFYPSDIAVEWESNGOPENNYKTP 180  
 Db 121 ISKAKGQPAPQVYTLPPSRDELTKNOVSLSCLVKGFYPRHIAVEWESNGOPENNYKTP 180  
 Qy 181 PVLDGSFFFLYSKLTVDSRQGNYFSVSYMEALTHNHYQORSLSLSPGK 232  
 Db 181 PVLDGSFFFLYSKLTVDSRQGNYFSVSYMEALTHNHYQORSLSLSPGK 232

RESULT 9  
 US-09-058-264-4  
 Sequence 4, Application US/09058264  
 ; Patent No. 601C886  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Mosley, Bruce  
 ; TITLE OF INVENTION: Receptor for Oncostatin M  
 ; NUMBER OF SEQUENCES: 11  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Immunoex Corporation  
 ; STREET: 51 University Street  
 ; CITY: Seattle  
 ; STATE: WA  
 ; COUNTRY: USA  
 ; ZIP: 98101  
 COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 COMPUTER: Apple Macintosh  
 OPERATING SYSTEM: Apple 7.1  
 SOFTWARE: Microsoft Word, Version 5.1a  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/058,264  
 PILING DATE:  
 CLASSIFICATION:  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US/08/308,881  
 FILING DATE: 12-SEP-1994  
 APPLICATION NUMBER: US 08/249,553  
 FILING DATE: 26-MAY-1994  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Seese, Kathryn A.  
 REGISTRATION NUMBER: 32,172  
 REFERENCE/DOCKET NUMBER: 2614-A  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (206) 587-0430  
 TELEFAX: (206) 233-0644  
 TELEX: 756822  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 233 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-09-058-264-4

Query Match 95.3% Score 1201; DB 3; Length 232;  
 Best Local Similarity 94.4%; Pred. No. 5.5e-114;  
 Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

Qy 1 EPKSDKTHTCPCKPAPBLLGSPVLFPPPKPDLMISPEVTCVVDYSHEDPVKF 60  
 Db 1 EPRSCDKTHTCPCKPAPBLLGSPVLFPPPKPDLMISPEVTCVVDYSHEDPVKF 60  
 Qy 61 NWYVGVEHNVAKTKPREEQNINSTYRVSVLTVLHQWNGKEYKCKVSNKALPAPEKT 120  
 Db 61 NWYVGVEHNVAKTKPREEQNINSTYRVSVLTVLHQWNGKEYKCKVSNKALPAPEKT 120  
 Qy 121 ISKAKVOPREPOVYTLPPSRDELTKNOVSLSCLVKGFYPSDIAVEWESNGOPENNYKTP 180  
 Db 121 ISKAKGQPAPQVYTLPPSRDELTKNOVSLSCLVKGFYPRHIAVEWESNGOPENNYKTP 180  
 Qy 181 PVLDGSFFFLYSKLTVDSRQGNYFSVSYMEALTHNHYQORSLSLSPGK 232  
 Db 181 PVLDGSFFFLYSKLTVDSRQGNYFSVSYMEALTHNHYQORSLSLSPGK 232

RESULT 10  
 US-09-079-785-4  
 ; Sequence 4, Application US/09079785

Patent No. 6143869  
 GENERAL INFORMATION:  
 APPLICANT: Goodwin, Raymond G.  
 APPLICANT: Smith, Craig A.  
 APPLICANT: Armitage, Richard J.  
 APPLICANT: Gruss, Hans-Jurgen  
 TITLE OF INVENTION: No. 6143869 e1 Cytokine That Binds CD30  
 NUMBER OF SEQUENCES: 23  
 CORRESPONDENCE ADDRESS: Kathryn A. Seese, Immunex Corporation  
 STREET: 51 University Street  
 CITY: Seattle  
 STATE: Washington  
 COUNTRY: USA  
 ZIP: 98101  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: Apple Macintosh  
 OPERATING SYSTEM: Apple 7.1  
 SOFTWARE: Microsoft Word, Version 5.1a  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/079,785  
 FILING DATE:  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/08/225,989  
 FILING DATE: 12 APRIL 1994  
 APPLICATION NUMBER: US 07/965,775  
 FILING DATE: 27-OCT-1992  
 APPLICATION NUMBER: US/09/079,785  
 FILING DATE:  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 907,224  
 FILING DATE: 01-JUL-1992  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 899,660  
 FILING DATE: 15-JUN-1992  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 892,459  
 FILING DATE: 02-JUN-1992  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 889,717  
 FILING DATE: 26-MAY-1992  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Seese, Kathryn A.  
 REGISTRATION NUMBER: 32,172  
 REFERENCE/DOCKET NUMBER: 2614-A  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (206) 587-0430  
 TELEFAX: (206) 233-0644  
 TELEX: 756822  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 232 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-09-455-962-4

Query Match 1 EPKSCDKTHTCPCPAEELLGEPSPVLFPPKPDITMISRTPEVTCVVDYSHEDPEVKF 60  
 Best Local Similarity 95.3% Score 1201; DB 4; Length 232;  
 Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

Db 1 EPPSCDKTHTCPCPAEELLGEPSPVLFPPKPDITMISRTPEVTCVVDYSHEDPEVKF 60  
 Query 1 EPKSCDKTHTCPCPAEELLGEPSPVLFPPKPDITMISRTPEVTCVVDYSHEDPEVKF 60  
 Db 1 ERSCKDTHTCPCPAEELLGEPSPVLFPPKPDITMISRTPEVTCVVDYSHEDPEVKF 60  
 Query 61 NWYVDGVEVHNWTKPKEEQNSTYRVVSLTIVLQWNGKEYKCKVSNALAPIKT 120  
 Db 61 NWYVDGVEVHNWTKPKEEQNSTYRVVSLTIVLQWNGKEYKCKVSNALAPIKT 120  
 Query 61 NWYVDGVEVHNWTKPKEEQNSTYRVVSLTIVLQWNGKEYKCKVSNALAPIKT 120  
 Db 61 NWYVDGVEVHNWTKPKEEQNSTYRVVSLTIVLQWNGKEYKCKVSNALAPIKT 120  
 Query 121 ISAKAKVQPREPVYTLPSPRDLTKNQSVLTCVKGFYPSDIAVEWSNQOPENNYKTP 180  
 Db 121 ISAKAKVQPREPVYTLPSPRDLTKNQSVLTCVKGFYPSDIAVEWSNQOPENNYKTP 180  
 Query 181 PVLDSGSFLFLYSKLTIDKSPWQOGNVECSVMHEALHNYQORSLSLSPGK 232  
 Db 181 PVLDSGSFLFLYSKLTIDKSPWQOGNVECSVMHEALHNYQORSLSLSPGK 232  
 Query 121 ISAKAKVQPREPVYTLPSPRDLTKNQSVLTCVKGFYPSDIAVEWSNQOPENNYKTP 180  
 Db 121 ISAKAKVQPREPVYTLPSPRDLTKNQSVLTCVKGFYPSDIAVEWSNQOPENNYKTP 180

RESULT 12  
US-0-658-125-4  
; Sequence 4, Application US/09628126  
; Patent No. 667039  
GENERAL INFORMATION:  
APPLICANT: Goodwin, Raymond G.  
APPLICANT: Smith, Craig A.  
APPLICANT: Armitage, Richard J.  
APPLICANT: Gruss, Hans-Jurgen  
TITLE OF INVENTION: No. 667039e1 Cytokine That Birds CD30  
NUMBER OF SEQUENCES: 23  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Kathryn A. Seese, Immunex Corporation  
STREET: 51 University Street  
CITY: Seattle  
STATE: Washington  
ZIP: 98101  
COUNTRY: USA

COMPUTER READABLE FORM:  
COMPUTER: Apple Macintosh  
OPERATING SYSTEM: Apple 7.1  
SOFTWARE: Microsoft Word, Version 5.1a  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/628,126  
FILING DATE: 28-JULY-2000  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/570,923  
FILING DATE: 12-DEC-1995  
APPLICATION NUMBER: US/08/225,989  
FILING DATE: 12 APRIL 1994  
APPLICATION NUMBER: US 07/966,775  
FILING DATE: 27-OCT-1992  
APPLICATION NUMBER: US 07/907,224  
FILING DATE: 01-JUL-1992  
APPLICATION NUMBER: US 899,660  
FILING DATE: 15-JUN-1992  
APPLICATION NUMBER: US 892,459  
FILING DATE: 02-JUN-1992  
APPLICATION NUMBER: US 899,717  
FILING DATE: 26-MAY-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Seese, Kathryn A.  
REGISTRATION NUMBER: 32,172  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 233-0644  
TELEX: 756822

INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 232 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein

Query Match 95.3%; Score 1201; DB 4; Length 232;

Best Local Similarity 94.4%; Pred. No. 5.5e-114; Mismatches 219; Conservative 7; Indels 0; Gaps 0;

Qy 1 EPKSCDKTHTCPCPAPELICGPSVLFPPKPKDTLMISRPEVTCVVVDVSHEDPEVTF 60  
Db 1 EFRSCDKTHTCPCPAPELICGPSVLFPPKPKDTLMISRPEVTCVVVDVSHEDPEVTF 60

Qy 61 NWYVGVEVHVKTKPREEQNTVSVLTVLHQWNGKEYKCKVSNKALPAPIKT 120  
Db 61 NWYVGVEVHVKTKPREEQNTVSVLTVLHQWNGKEYKCKVSNKALPAPIKT 120

Qy 61 NWYVGVEVHVKTKPREEQNTVSVLTVLHQWNGKEYKCKVSNKALPAPMOT 120  
Db 61 NWYVGVEVHVKTKPREEQNTVSVLTVLHQWNGKEYKCKVSNKALPAPMOT 120

Qy 121 ISKAKVQPREPVQYTLPPSDELTKVNSKALPAPIKT 180  
Db 121 ISKAKVQPREPVQYTLPPSDELTKVNSKALPAPIKT 180

RESULT 13  
PCT-US95-06530-4  
; Sequence 4, Application PC/TUS9506530  
; GENERAL INFORMATION:  
APPLICANT: Mosley, Bruce  
APPLICANT: Cosman, David J.  
TITLE OF INVENTION: Receptor for Oncostatin M  
NUMBER OF SEQUENCES: 11  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Immunex Corporation  
STREET: 51 University Street  
CITY: Seattle  
STATE: WA  
ZIP: 98101  
COUNTRY: USA  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US95/06530  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/308,881  
FILING DATE: 09-SEP-1994  
APPLICATION NUMBER: US 08/249,553  
FILING DATE: 26-MAY-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Anderson, Kathryn A.  
REGISTRATION NUMBER: 32,172  
REFERENCE/DOCKET NUMBER: 2614-WO  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 587-0430  
TELEFAX: (206) 233-0644  
TELEX: 756822  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 232 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein

PCT-US95-06530-4

Query Match 95.3%; Score 1201; DB 5; Length 232;  
Best Local Similarity 94.4%; Pred. No. 5.5e-114; Mismatches 219; Conservative 7; Indels 0; Gaps 0;

Qy 1 EPKSCDKTHTCPCPAPELICGPSVLFPPKPKDTLMISRPEVTCVVVDVSHEDPEVTF 60  
Db 1 EFRSCDKTHTCPCPAPELICGPSVLFPPKPKDTLMISRPEVTCVVVDVSHEDPEVTF 60

Qy 61 NWYVGVEVHVKTKPREEQNTVSVLTVLHQWNGKEYKCKVSNKALPAPMOT 120  
Db 61 NWYVGVEVHVKTKPREEQNTVSVLTVLHQWNGKEYKCKVSNKALPAPMOT 120

Qy 121 ISKAKVQPREPVQYTLPPSDELTKVNSKALPAPIKT 180  
Db 121 ISKAKVQPREPVQYTLPPSDELTKVNSKALPAPIKT 180

Qy 61 NWYVGVEVHVKTKPREEQNTVSVLTVLHQWNGKEYKCKVSNKALPAPMOT 120  
Db 61 NWYVGVEVHVKTKPREEQNTVSVLTVLHQWNGKEYKCKVSNKALPAPMOT 120

Qy 121 ISKAKVQPREPVQYTLPPSDELTKVNSKALPAPIKT 180  
Db 121 ISKAKVQPREPVQYTLPPSDELTKVNSKALPAPIKT 180

RESULT 14

PCT-US95-15781-8  
Sequence 6, Application PC/TUS9515781  
GENERAL INFORMATION:  
APPLICANT: Cerretti, Douglas P.  
TITLE OF INVENTION: Cytokine Designated Lerk-7  
NUMBER OF SEQUENCES: 8  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Immunex Corporation  
STREET: 51 University Street  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98101  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: Apple Macintosh  
OPERATING SYSTEM: System 7.1  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US95/15781  
FILING DATE: 05-DEC-1995  
CLASSIFICATION:  
APPLICATION NUMBER: US 08/351,025  
FILING DATE: 06-DEC-1994  
CLASSIFICATION:  
APPLICATION NUMBER: US 08/396,946  
FILING DATE: 01-MAR-1995  
CLASSIFICATION:  
APPLICATION NUMBER: US 08/351,025  
FILING DATE: 06-DEC-1994  
CLASSIFICATION:  
APPLICATION NUMBER: US 08/396,946  
FILING DATE: 01-MAR-1995  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Anderson, Kathryn A.  
REGISTRATION NUMBER: 3,172  
REFERENCE DOCKET NUMBER: 2B-29-WO  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 233-0644  
TELEFAX: (206) 233-0644  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 232 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
PCT-US95-15781-8

Query Match Score 1201; DB 5; Length 232;  
Best Local Similarity 94.4%; Pred. No. 5.e-14;  
Matches 219; Conservative 7; Mismatches 6; Indels 0; Gaps 0;  
Qy 1 EPKSCDXTHTCPCPABLLGGPSVFLPPPKDTLMISRPEVTCVVVDVSHEDPEVKF 60  
Db 1 EPRSCDXTHTCPCPABLLGGPSVFLPPPKDTLMISRPEVTCVVVDVSHEDPEVKF 60  
Qy 61 NYVYDGVEHNVYRTKPRREEQNSTRVSLTRNQSLVCKVSNKALPAPIKT 120  
Db 61 NYVYDGVEHNVYRTKPRREEQNSTRVSLTRNQSLVCKVSNKALPAPIKT 120  
Qy 121 ISAKVOPREPOVYTFLPSRDLTRNQSLVCKVSNKALPAPIKT 180  
Db 121 ISAKVOPREPOVYTFLPSRDLTRNQSLVCKVSNKALPAPIKT 180  
Qy 181 PYLDGSVSEFFLYSKLTVDKSRLQGNNVFSCSVMHEALTHYHQRSLSLSPGK 232  
Db 181 PYLDGSVSEFFLYSKLTVDKSRLQGNNVFSCSVMHEALTHYHQRSLSLSPGK 232

RESULT 15  
US-09-428-082B-2  
Sequence 2, Application US/09428082B  
Patent No. 6660843  
GENERAL INFORMATION:  
APPLICANT: FEIGE, ULRICH  
APPLICANT: LIU, CHUAN FA  
APPLICANT: CHEETHAM, JANET C.

Result No.	Score	Query Match	Length	DB ID	Description
1	1260	100.0	232	10 US-09-847-208-3	Sequence 3, Appli
2	1260	100.0	232	10 US-10-996-439-3	Sequence 3, Appli
3	1225	97.2	232	9 US-09-389-357-10	Sequence 10, Appli
4	1225	97.2	232	10 US-09-389-782-1	Sequence 1, Appli
5	1225	97.2	232	16 US-10-617-619-7	Sequence 7, Appli
6	1219	96.7	232	12 US-10-466-593-7	Sequence 2, Appli
7	1219	96.7	232	14 US-10-077-499A-15	Sequence 15, Appli
8	1219	96.7	232	14 US-10-020-354-83	Sequence 83, Appli
9	1209	96.0	232	9 US-09-977-034-4	Sequence 4, Appli
10	- 1209	96.0	232	12 US-10-419-058-6	Sequence 6, Appli
11	1209	96.0	232	14 US-10-292-418-2	Sequence 2, Appli
12	1201	95.3	232	14 US-10-311-135-4	Sequence 4, Appli
13	1195	94.8	227	12 US-10-622-108-2	Sequence 2, Appli
14	1195	94.8	227	15 US-10-265-695-60	Sequence 60, Appli
15	1195	94.8	227	15 US-10-410-998-60	Sequence 2, Appli
16	1195	94.8	228	9 US-09-940-712-2	Sequence 2, Appli
17	1195	94.8	228	10 US-09-847-249A-2	Sequence 2, Appli
18	1195	94.8	228	10 US-09-843-221A-2	Sequence 2, Appli
19	1195	94.8	228	10 US-09-840-669B-2	Sequence 2, Appli
20	1195	94.8	228	10 US-10-609-217-2	Sequence 2, Appli
21	1195	94.8	228	12 US-10-132-388-2	Sequence 2, Appli
22	1195	94.8	228	12 US-10-1651-123-2	Sequence 2, Appli
23	1195	94.8	228	12 US-10-645-761-2	Sequence 2, Appli
24	1195	94.8	228	14 US-10-269-806-32	Sequence 32, Appli
25	1195	94.8	228	14 US-10-145-206-2	Sequence 2, Appli
26	1195	94.8	228	14 US-10-666-696-2	Sequence 2, Appli
27	1195	94.8	228	16 US-10-6653-048-2	Sequence 2, Appli
28	1195	94.8	228	16 US-10-1666-480-60	Sequence 2, Appli
29	1195	94.8	228	16 US-10-215-297-2	Sequence 2, Appli
30	1195	94.8	229	14 US-10-215-298-2	Sequence 2, Appli
31	1195	94.8	229	14 US-10-333-108-32	Sequence 32, Appli
32	1195	94.8	232	12 US-10-008-063-28	Sequence 32, Appli
33	1195	94.6	232	14 US-10-008-063-32	Sequence 32, Appli
34	1186	94.1	232	14 US-10-008-063-32	Sequence 32, Appli
35	1183	93.9	232	9 US-09-335-147-17	Sequence 17, Appli
36	1183	93.9	232	9 US-09-871-856-8	Sequence 9, Appli
37	1183	93.9	232	9 US-09-877-650-8	Sequence 8, Appli
38	1183	93.9	232	12 US-09-865-363-8	Sequence 8, Appli
39	1183	93.9	232	14 US-10-008-063-28	Sequence 8, Appli
40	1183	93.9	232	14 US-10-405-878-8	Sequence 8, Appli
41	1178	93.5	227	14 US-10-071-99A-16	Sequence 16, Appli
42	1166	92.5	232	14 US-10-274-638-5	Sequence 5, Appli
43	1165	92.5	223	14 US-10-135-63-3	Sequence 3, Appli
44	1158	91.9	224	10 US-09-972-118A-17	Sequence 17, Appli
45	1158	91.9	224	14 US-10-068-426-14	Sequence 14, Appli

Db \* 181 PVLDSVSEFFLYSKLTVDKSRMKGQGVFSCSYMEALHNHQRSLSLSK 232

RESULT 2  
US-10-000-439-3  
; Sequence 3 , Application US/10000439  
; Publication No. US20030064065A1  
; GENERAL INFORMATION:  
; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR  
; TREATMENT OF IMMUNE DISEASES  
; FILE REFERENCE: DC067.004A  
; CURRENT APPLICATION NUMBER: US/10/000,439  
; CURRENT FILING DATE: 2001-10-24  
; PRIOR APPLICATION NUMBER: US 09/847,208  
; PRIOR FILING DATE: 2001-05-01  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: fas-SEQ for Windows Version 4.0  
; SEQ ID NO 3  
; LENGTH: 232  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-000-439-3

Query Match 100.0%; Score 1260; DB 12; Length 232;  
Best Local Similarity 100.0%; Pred. No. 1.2e-99;  
Matches 232; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EPKSCDKHTCPCCPAPILLGGSVFLPPKPKDTLMISRPEVTCVVVDVSHEDEVKF 60  
Db 1 EPKSCDKHTCPCCPAPILLGGSVFLPPKPKDTLMISRPEVTCVVVDVSHEDEVKF 60

Qy 61 NWYTDGVFVNNTKPREEQNSTYRVSVLTLHQNMGKEYCKVSNKALPAPIKT 120  
Db 61 NWYTDGVFVNNTKPREEQNSTYRVSVLTLHQNMGKEYCKVSNKALPAPIKT 120

Qy 121 ISAKVQPREPOVYTLPSSRDELTKNOVSLTCLVKGSFPTSDIAVEWSNGOPENNYKTP 180  
Db 121 ISAKVQPREPOVYTLPSSRDELTKNOVSLTCLVKGSFPTSDIAVEWSNGOPENNYKTP 180

Qy 181 PVLDVGSGFFLYSKLTVDKSRMKGQGVFSCSYMEALHNHQRSLSLSK 232  
Db 181 PVLDVGSGFFLYSKLTVDKSRMKGQGVFSCSYMEALHNHQRSLSLSK 232

RESULT 3  
US-09-996-357-10  
; Sequence 10 , Application US/09996357  
; Patent No. US2002013301A1  
; GENERAL INFORMATION:  
; APPLICANT: Geiter, Malcolm L  
; APPLICANT: Isreal, David I  
; APPLICANT: Joyal, John L  
; APPLICANT: Gosselin, Michael  
; TITLE OF INVENTION: THERAPEUTIC AGENTS AND METHODS OF USE THEREOF FOR  
; TREATING AN AMYLOIDOCENIC DISEASE  
; FILE REFERENCE: PPI-105  
; CURRENT FILING DATE: 2000-11-29  
; PRIOR APPLICATION NUMBER: US/09/996,357  
; PRIOR FILING DATE: 2000-11-27  
; PRIOR APPLICATION NUMBER: 60/253,302  
; PRIOR FILING DATE: 2000-11-27  
; PRIOR APPLICATION NUMBER: 60/250,198  
; PRIOR FILING DATE: 2000-11-29  
; PRIOR APPLICATION NUMBER: 60/257,186  
; PRIOR FILING DATE: 2000-12-20  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 10  
; LENGTH: 232  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-996-357-10

Query Match 97.2%; Score 1225; DB 9; Length 232;  
Best Local Similarity 97.0%; Pred. No. 1.1e-96;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSCDKHTCPCCPAPILLGGSVFLPPKPKDTLMISRPEVTCVVVDVSHEDEVKF 60  
Db 1 EPKSCDKHTCPCCPAPILLGGSVFLPPKPKDTLMISRPEVTCVVVDVSHEDEVKF 60

Qy 61 NWYTDGVFVNNTKPREEQNSTYRVSVLTLHQNMGKEYCKVSNKALPAPIKT 120  
Db 61 NWYTDGVFVNNTKPREEQNSTYRVSVLTLHQNMGKEYCKVSNKALPAPIKT 120

Qy 121 ISAKVQPREPOVYTLPSSRDELTKNOVSLTCLVKGSFPTSDIAVEWSNGOPENNYKTP 180  
Db 121 ISAKVQPREPOVYTLPSSRDELTKNOVSLTCLVKGSFPTSDIAVEWSNGOPENNYKTP 180

Qy 181 PVLDVGSGFFLYSKLTVDKSRMKGQGVFSCSYMEALHNHQRSLSLSK 232  
Db 181 PVLDVGSGFFLYSKLTVDKSRMKGQGVFSCSYMEALHNHQRSLSLSK 232

RESULT 4  
US-09-389-782-1  
; Sequence 1 , Application US/09389782  
; Publication No. US2003014418A1  
; GENERAL INFORMATION:  
; APPLICANT: Wooden, Scott K.  
; APPLICANT: Maun, Michael B.  
; APPLICANT: Dunstan, Colin R.  
; TITLE OF INVENTION: OPG Fusion Protein Compositions and Methods  
; FILE REFERENCE: A-604  
; CURRENT APPLICATION NUMBER: US/09/389,782  
; CURRENT FILING DATE: 1999-09-03  
; NUMBER OF SEQ ID NOS: 50  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 1  
; LENGTH: 232  
; TYPE: PRT  
; ORGANISM: Human  
US-09-389-782-1

Query Match 97.2%; Score 1225; DB 10; Length 232;  
Best Local Similarity 97.0%; Pred. No. 1.1e-96;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSCDKHTCPCCPAPILLGGSVFLPPKPKDTLMISRPEVTCVVVDVSHEDEVKF 60  
Db 1 EPKSCDKHTCPCCPAPILLGGSVFLPPKPKDTLMISRPEVTCVVVDVSHEDEVKF 60

Qy 61 NWYTDGVFVNNTKPREEQNSTYRVSVLTLHQNMGKEYCKVSNKALPAPIKT 120  
Db 61 NWYTDGVFVNNTKPREEQNSTYRVSVLTLHQNMGKEYCKVSNKALPAPIKT 120

Qy 121 ISAKVQPREPOVYTLPSSRDELTKNOVSLTCLVKGSFPTSDIAVEWSNGOPENNYKTP 180  
Db 121 ISAKVQPREPOVYTLPSSRDELTKNOVSLTCLVKGSFPTSDIAVEWSNGOPENNYKTP 180

Qy 181 PVLDVGSGFFLYSKLTVDKSRMKGQGVFSCSYMEALHNHQRSLSLSK 232  
Db 181 PVLDVGSGFFLYSKLTVDKSRMKGQGVFSCSYMEALHNHQRSLSLSK 232

RESULT 5  
US-10-617-619-7  
; Sequence 7 , Application US/10617619  
; Publication No. US20040110929A1  
; GENERAL INFORMATION:  
; APPLICANT: Bjorn, Stoen E  
; APPLICANT: Niclasen, Else M  
; APPLICANT: Jorgensen, Anker S  
; TITLE OF INVENTION: TP Binding Compound  
; FILE REFERENCE: 6455-200-US

CURRENT APPLICATION NUMBER: US/10/617,619  
 CURRENT FILING DATE: 2003-07-11  
 PRIOR APPLICATION NUMBER: Danish Application No. PA 2002 01099  
 PRIOR FILING DATE: 2002-07-12  
 PRIOR APPLICATION NUMBER: US 60/404,568  
 PRIOR FILING DATE: 2002-08-19  
 NUMBER OF SEQ ID NOS: 13  
 SOFTWARE: PatentIn version 3.2  
 SEQ ID NO 7  
 LENGTH: 232  
 TYPE: PRT  
 ORGANISM: Human  
 US-10-617-619-7

Query Match 97.2%; Score 1225; DB 16; Length 232;  
 Best Local Similarity 97.0%; Pred. No. 1.e-96;  
 Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSCDKTHCPCPAPELLGGPVSFLPPPKPDKTLMSRTPETVCTVVVDVSHEDEPEVKF 60  
 Db 1 EPKSCDKTHCPCPAPELLGGSVELPPPKPDKTLMSRTPETVCTVVVDVSHEDEPEVKF 60

Qy 61 NWYDGVETHVNVTKPREQYNTVSKLTVKGFPSLTLHQDWLNGKEYKCKVSNKALPAPIKT 120  
 Db 61 NWYDGVETHVNVTKPREQYNTVSKLTVKGFPSLTLHQDWLNGKEYKCKVSNKALPAPIKT 120

Qy 121 ISAKVQPREPOVYTLPSSRDELTKNQVSLTCLVKGFPSPDIAVEWESNGOPENNYKTFP 180  
 Db 121 ISAKVQPREPOVYTLPSSRDELTKNQVSLTCLVKGFPSPDIAVEWESNGOPENNYKTFP 180

Qy 181 PVLDGSFFFLYSKLTVDKSRWQGNVFSYMEALHNHQRSLSLSPGK 232  
 Db 181 PVLDGSFFFLYSKLTVDKSRWQGNVFSYMEALHNHQRSLSLSPGK 232

RESULT 6  
 US-10-466-593-2  
 Sequence 2, Application US/10466593  
 Publication No. US2004004457A1  
 GENERAL INFORMATION:  
 APPLICANT: Schumacher, Stilke  
 INVENTION: Bifunctional fusion proteins with  
 TITLE OF INVENTION: BIFUNCTIONAL FUSION PROTEINS WITH  
 FILE REFERENCE: MER-10.8  
 CURRENT APPLICATION NUMBER: US/10/466,593  
 CURRENT FILING DATE: 2003-07-17  
 PRIOR APPLICATION NUMBER: PCT/EP01/15328  
 PRIOR FILING DATE: 2001-12-27  
 PRIOR APPLICATION NUMBER: EP 01101056.8  
 PRIOR FILING DATE: 2001-01-18  
 NUMBER OF SEQ ID NOS: 3  
 SOFTWARE: FastSEQ for Windows Version 4.0  
 SEQ ID NO 2  
 LENGTH: 232  
 TYPE: PRT  
 ORGANISM: Homo Sapiens  
 US-10-466-593-2

Query Match 96.7%; Score 1219; DB 12; Length 232;  
 Best Local Similarity 96.1%; Pred. No. 3.e-96;  
 Matches 223; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSCDKTHCPCPAPELLGGPVSFLPPPKPDKTLMSRTPETVCTVVVDVSHEDEPEVKF 60  
 Db 1 EPKSCDKTHCPCPAPELLGGPVSFLPPPKPDKTLMSRTPETVCTVVVDVSHEDEPEVKF 60

Qy 61 NWYDGVETHVNVTKPREQYNTVSKLTVKGFPSLTLHQDWLNGKEYKCKVSNKALPAPIKT 120  
 Db 61 NWYDGVETHVNVTKPREQYNTVSKLTVKGFPSLTLHQDWLNGKEYKCKVSNKALPAPIKT 120

RESULT 7  
 US-10-071-499A-15  
 Sequence 15, Application US/10071499A  
 Publication No. US20030104406A1  
 GENERAL INFORMATION:  
 APPLICANT: WOLFMAN, NEIL  
 INVENTION: MODIFIED AND STABILIZED GDF PROTEPTIDES AND USES THEREOF  
 FILE REFERENCE: 08702-0100-00000  
 CURRENT APPLICATION NUMBER: US/10/071,499A  
 CURRENT FILING DATE: 2002-09-04  
 NUMBER OF SEQ ID NOS: 16  
 SOFTWARE: PatentIn version 3.1  
 SEQ ID NO 15  
 LENGTH: 232  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-10-071-499A-15

Query Match 96.7%; Score 1219; DB 14; Length 232;  
 Best Local Similarity 96.1%; Pred. No. 3.e-96;  
 Matches 223; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSCDKTHCPCPAPELLGGPVSFLPPPKPDKTLMSRTPETVCTVVVDVSHEDEPEVKF 60  
 Db 1 EPKSCDKTHCPCPAPELLGGPVSFLPPPKPDKTLMSRTPETVCTVVVDVSHEDEPEVKF 60

Qy 61 NWYDGVETHVNVTKPREQYNTVSKLTVKGFPSLTLHQDWLNGKEYKCKVSNKALPAPIKT 120  
 Db 61 NWYDGVETHVNVTKPREQYNTVSKLTVKGFPSLTLHQDWLNGKEYKCKVSNKALPAPIKT 120

RESULT 8  
 US-10-020-354-83  
 Sequence 83, Application US/10020354  
 Publication No. US20030190311A1  
 GENERAL INFORMATION:  
 APPLICANT: DAIL'AQUA, WILLIAM  
 INVENTION: MOLECULES WITH EXTENDED HALF-LIVES, COMPOSITIONS AND USES THEREOF  
 FILE REFERENCE: 102271-027  
 CURRENT APPLICATION NUMBER: US/10/020,354  
 CURRENT FILING DATE: 2001-12-12  
 PRIOR APPLICATION NUMBER: 60/254,884  
 PRIOR FILING DATE: 2000-12-12  
 PRIOR APPLICATION NUMBER: 66/238,760  
 PRIOR FILING DATE: 2001-05-09  
 NUMBER OF SEQ ID NOS: 116  
 SOFTWARE: PatentIn version 3.1  
 SEQ ID NO 83  
 LENGTH: 232  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-10-020-354-83

Query Match 96.7%; Score 1219; DB 14; Length 232;  
 Best Local Similarity 96.1%; Pred. No. 3.e-96;

Matches 223; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

Query 1 EPKSCDKTHTCPPCPAPBLLGGPSVFFPKEPKDTIMISRPEVTCVVVDPSHDEPEVKF 60  
 Database 1 EPKSCDKTHTCPPCPAPBLLGGPSVFFPKEPKDTIMISRPEVTCVVVDPSHDEPEVKF 60

Query 61 NWYDGVEVHNVTKPREQNSTYRVSVLTVLHONWNGKEYCKVSNKALAPIEK 120  
 Database 61 NWYDGVEVHNAKTKPREQNSTYRVSVLTVLHQWLKGKEYCKVSNKALAPIEK 120

Query 121 ISAKVQPREPOVTLPPSRDLTQNQSLTCLVKGPPSDIAVEWSNGOPENNYKTP 180  
 Database 121 ISAKQPREPOVTLPPSRDLTQNQSLTCLVKGPPSDIAVEWSNGOPENNYKTP 180

Query 181 PVLDVGSGFFFLYSKLTVDKSRWQGNYFSCSYMHEALEHNHQRSLSLSPK 232  
 Database 181 PVLDSDGSFFFLYSKLTVDKSRWQGNYFSCSYMHEALEHNHQRSLSLSPK 232

RESULT 9  
 US-09-977-034-4  
 Sequence 4, Application US/09977034  
 Patent No. US2002008164A1  
 GENERAL INFORMATION:  
 APPLICANT: Lo, Kin-Ming  
 APPLICANT: Sun, Xaping  
 APPLICANT: Gillies, Stephen D.  
 TITLE OF INVENTION: Expression and Export of Interferon-Alpha Proteins as  
 Title of Invention: FC Fusion Proteins  
 FILE REFERENCE: LEX-009  
 CURRENT APPLICATION NUMBER: US/09/977,034  
 CURRENT FILING DATE: 2001-10-11  
 PRIOR APPLICATION NUMBER: US/09/575,503  
 PRIOR FILING DATE: 2000-05-19  
 PRIOR APPLICATION NUMBER: US 60/134,895  
 PRIOR FILING DATE: 1999-05-19  
 NUMBER OF SEQ ID NOS: 29  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 4  
 LENGTH: 232  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-977-034-4

Query Match 96.0%; Score 1209; DB 9; Length 232;  
 Best Local Similarity 95.7%; Pred. No. 2.7e-95;  
 Matches 222; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

Query 1 EPKSCDKTHTCPPCPAPBLLGGPSVFFPKEPKDTIMISRPEVTCVVVDPSHDEPEVKF 60  
 Database 1 EPKSSDKHTCPCCPAFBLLGGPSVFFPKEPKDTIMISRPEVTCVVVDPSHDEPEVKF 60

Query 61 NWYDGVEVHNVTKPREQNSTYRVSVLTVLHONWNGKEYCKVSNKALAPIEK 120  
 Database 61 NWYDGVEVHNAKTKPREQNSTYRVSVLTVLHQWLKGKEYCKVSNKALAPIEK 120

Query 121 ISAKVQPREPOVTLPPSRDLTQNQSLTCLVKGPPSDIAVEWSNGOPENNYKTP 180  
 Database 121 ISAKQPREPOVTLPPSRDLTQNQSLTCLVKGPPSDIAVEWSNGOPENNYKTP 180

Query 181 PVLDVGSGFFFLYSKLTVDKSRWQGNYFSCSYMHEALEHNHQRSLSLSPK 232  
 Database 181 PVLDSDGSFFFLYSKLTVDKSRWQGNYFSCSYMHEALEHNHQRSLSLSPK 232

RESULT 11  
 US-10-292-418-2  
 Sequence 2, Application US/10292418  
 Publication No. US20030139365A1  
 GENERAL INFORMATION:  
 APPLICANT: Li, Yue  
 APPLICANT: Gillies, Stephen D.  
 TITLE OF INVENTION: Expression and Export of Angiogenesis Inhibitors as  
 Title of Invention: Immunolusins  
 FILE REFERENCE: LEX-006CL  
 CURRENT APPLICATION NUMBER: US/10/292,418  
 CURRENT FILING DATE: 2002-11-12  
 PRIOR APPLICATION NUMBER: 09/383,315  
 PRIOR FILING DATE: 1999-08-05  
 PRIOR APPLICATION NUMBER: US 60/097,883  
 PRIOR FILING DATE: 1998-08-25  
 NUMBER OF SEQ ID NOS: 54  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 2  
 LENGTH: 232  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-10-292-418-2

Query Match 96.0%; Score 1209; DB 14; Length 232;  
 Best Local Similarity 95.7%; Pred. No. 2.7e-95;  
 Matches 222; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

Query 1 EPKSCDKTHTCPPCPAPBLLGGPSVFFPKEPKDTIMISRPEVTCVVVDPSHDEPEVKF 60  
 Database 1 EPKSSDKHTCPCCPAFBLLGGPSVFFPKEPKDTIMISRPEVTCVVVDPSHDEPEVKF 60

Query 61 NWYDGVEVHNVTKPREQNSTYRVSVLTVLHONWNGKEYCKVSNKALAPIEK 120  
 Database 61 NWYDGVEVHNAKTKPREQNSTYRVSVLTVLHQWLKGKEYCKVSNKALAPIEK 120

RESULT 10  
 US-10-119-058-6  
 Sequence 6, Application US/10419056  
 Publication No. US2004015336A1  
 GENERAL INFORMATION:  
 APPLICANT: Lo, Kin-Ming  
 APPLICANT: Zhang, Jianyang  
 APPLICANT: Gillies, Stephen D.

Query Match 96.0%; Score 1209; DB 14; Length 232;  
 Best Local Similarity 95.7%; Pred. No. 2.7e-95;  
 Matches 222; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

Query 1 EPKSCDKTHTCPPCPAPBLLGGPSVFFPKEPKDTIMISRPEVTCVVVDPSHDEPEVKF 60  
 Database 1 EPKSSDKHTCPCCPAFBLLGGPSVFFPKEPKDTIMISRPEVTCVVVDPSHDEPEVKF 60

Query 61 NWYDGVEVHNVTKPREQNSTYRVSVLTVLHONWNGKEYCKVSNKALAPIEK 120  
 Database 61 NWYDGVEVHNAKTKPREQNSTYRVSVLTVLHQWLKGKEYCKVSNKALAPIEK 120

Db 61 NWYDGVEVHNAKTKPREQYNSTYRVSVLTVIHDQMLNGKEYKCVSNKALPAPIKT 120  
 Qy 121 ISKAKVQPREPOYTLPSSRDELTKNOVSLSLCLVKGFYPSDIAVEWSNGOPENNYKTTP 180  
 Db 121 ISKAKGQPBPQVYLPPSRDELTKNOVSLSLCLVKGFYPSDIAVEWSNGOPENNYKTTP 180  
 Qy 181 PVLDGSVGSPFLYSLTVDSRSRWQGNVFCSYMEALHNHYQSRSLSPGK 232  
 Db 181 PVLDSDGSFPLYSLTVDSRSRWQGNVFCSYMEALHNHYTORSLSLSPGK 232  
 Db 181 PVLDSDGSFPLYSLTVDSRSRWQGNVFCSYMEALHNHYTORSLSLSPGK 232

RESULT 12  
 US-10-313-135-4  
 ; Sequence 4, Application US/10313135  
 ; Publication No. US20030165003A1  
 ; GENERAL INFORMATION  
 ; APPLICANT: Mosley, Bruce J.  
 ; TITLE OF INVENTION: Receptor for Oncostatin M  
 ; NUMBER OF SEQUENCES: 11  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Immunex Corporation  
 ; STREET: 51 University Street  
 ; CITY: Seattle  
 ; STATE: WA  
 ; COUNTRY: USA  
 ; ZIP: 98101-0000  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: Apple Macintosh  
 ; OPERATING SYSTEM: Apple 7.1  
 ; SOFTWARE: Microsoft Word, Version 5.1a  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/10/313,135  
 ; FILING DATE: 06-Dec-2002  
 ; CLASSIFICATION: <Unknown>  
 ; PRIORITY APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/058,264  
 ; FILING DATE: <Unknown>  
 ; APPLICATION NUMBER: US/08/308,881  
 ; FILING DATE: 12-SEP-1994  
 ; APPLICATION NUMBER: US 08/249,553  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Seeser, Kathryn A.  
 ; REGISTRATION NUMBER: 32,172  
 ; REFERENCE DOCKET NUMBER: 2614-A  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (206) 587-0430  
 ; TELEFAX: (206) 233-0644  
 ; TELEX: 753822  
 ; INFORMATION FOR SEQ ID NO: 4:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 322 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 4:  
 US-10-313-135-4

Db 121 ISKAKVQPREPOYTLPSSRDELTKNOVSLSLCLVKGFYPRHIAVEWSNGOPENNYKTTP 180  
 Qy 181 PVLDGSVGSPFLYSLTVDSRSRWQGNVFCSYMEALHNHYQSRSLSPGK 232  
 Db 181 PVLDSDGSFPLYSLTVDSRSRWQGNVFCSYMEALHNHYTORSLSLSPGK 232

RESULT 13  
 US-10-622-108-2  
 ; Sequence 2, Application US/10622108  
 ; Publication No. US20040063912A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Blumberg, Richard S.  
 ; APPLECTANT: Lencer, Wayne I.  
 ; APPLICANT: Simister, Neil E.  
 ; TITLE OF INVENTION: CENTRAL AIRWAY ADMINISTRATION FOR SYSTEMIC DELIVERY OF THERAPEUTIC  
 ; FILE REFERENCE: S01383-70011.US  
 ; CURRENT APPLICATION NUMBER: US/10/622,108  
 ; CURRENT FILING DATE: 2003-07-17  
 ; PRIORITY APPLICATION NUMBER: US 10/435,608  
 ; PRIORITY FILING DATE: 2003-05-09  
 ; PRIORITY APPLICATION NUMBER: PCT/US02/21355  
 ; PRIORITY FILING DATE: 2002-07-03  
 ; PRIORITY APPLICATION NUMBER: US 60/364,482  
 ; PRIORITY FILING DATE: 2002-03-15  
 ; NUMBER OF SEQ ID NOS: 40  
 ; SOFTWARE: Patentin version 3.1  
 ; SEQ ID NO: 2  
 ; LENGTH: 227  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-622-108-2

Query Match 94.8%; Score 1195; DB 12; Length 227;  
 Best Local Similarity 96.3%; Pred. No. 4.e-94;  
 Matches 220; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 6 DKTHTCPPCPAPEELGGPSVLFPPPKDITIMISRPEVTCVVVDVSHEDPEVKENWYD 65  
 Db 1 DKTHTCPPCPAPEELGGPSVLFPPKEDITIMISRPEVTCVVVDVSHEDPEVKENWYD 60  
 Qy 66 GYEVHNATKTPREQNTSYRVSVLHQDWLNSREYCKVSNKALPAPIKTISAK 125  
 Db 61 GYEVHNATKTPREQNTSYRVSVLHQDWLNSREYCKVSNKALPAPIKTISAK 120  
 Qy 126 QPREGPVQYTLPSSRDELTKNOVSLSLCLVKGFYPSDIAVEWSNGOPENNYKTTPPVLD 185  
 Db 121 GQPREGPVQYTLPSSRDELTKNOVSLSLCLVKGFYPSDIAVEWSNGOPENNYKTTPPVLD 180

Qy 186 VGSPLFLYSLTVDSRSRWQGNVFCSYMEALHNHYQSRSLSPK 232  
 Db 181 DGSFFFLYSLTVDSRSRWQGNVFCSYMEALHNHYTORSLSLSPK 227

RESULT 14  
 US-10-269-655-60  
 ; Sequence 60, Application US/10269695  
 ; Publication No. US20030229022A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: OLLNER, JONATHAN DANIEL  
 ; APPLICANT: MIN, HO-SUNG  
 ; TITLE OF INVENTION: SPECIFIC BINDING AGENTS OF HUMAN ANGIOCOTETIN-2  
 ; FILE REFERENCE: A-601A  
 ; CURRENT APPLICATION NUMBER: US/10/269,695  
 ; CURRENT FILING DATE: 2002-10-10  
 ; PRIORITY APPLICATION NUMBER: US 60/414,155  
 ; PRIOR FILING DATE: 2002-09-27  
 ; PRIORITY APPLICATION NUMBER: US 60/328,624  
 ; PRIOR FILING DATE: 2001-10-11  
 ; NUMBER OF SEQ ID NOS: 359  
 ; SOFTWARE: Patentin version 3.1

Qy 1 EPKSCDTHTCPPCPAPEELGGPSVLFPPKDPDTIMISRPEVTCVVVDVSHEDPEVKF 60  
 Db 1 EPRSCKDTHTCPPCPAPEELGGPSVLFPPKDPDTIMISRPEVTCVVVDVSHEDPEVKF 60  
 Qy 61 NWYDGVEVHNAKTKPREQYNSTYRVSVLHQDWLNSREYCKVSNKALPAPIKT 120  
 Db 61 NWYDGVEVHNAKTKPREQYNSTYRVSVLHQDWLNSREYCKVSNKALPAPIKT 120  
 Qy 121 ISKAKVQPREPOYTLPSSRDELTKNOVSLSLCLVKGFYPSDIAVEWSNGOPENNYKTTP 180

Search completed: August 18, 2004, 01:17:46  
 Job time : 46 secs

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RESULT 15  
 US-10-435-608-2  
 ; Sequence 2, Application US/10435608  
 ; Publication No. US20030235536A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Blumberg, Richard S.  
 ; Lancer, Wayne I.  
 ; SIMISTER, Neil E.  
 ; APPLICANT: Bitonti, Alan J.  
 ; TITLE OF INVENTION: CENTRAL AIRWAY ADMINISTRATION FOR SYSTEMIC DELIVERY OF THERAPEUTIC AGENTS  
 ; FILE REFERENCE: S01383\_70010.US  
 ; CURRENT FILING DATE: US/10/435,608  
 ; PRIOR APPLICATION NUMBER: PCT/US02/21335  
 ; NUMBER OF SEQ ID NOS: 27  
 ; SOFTWARE: Patentin version 3.1  
 ; SEQ ID NO 2  
 ; LENGTH: 227  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; SEQ ID NO 60  
 ; LENGTH: 227  
 ; TYPE: PRT  
 ; FEATURE:  
 ; OTHER INFORMATION: Human FC IgG1  
 ; US-10-269-695-60

Query Match	94.8%	Score 1195;	DB 15;	Length 227;
Best Local Similarity	96.9%;	Pred. No. 4..1e-94;		
Matches 220;	Conservative	3; Mismatches	4;	Indels 0; Gaps 0;

Qy 6 DKHTCPCPAPLLGGPSVLFPPKPKDTLMSRPEVTCVVVDVSHEDDEVKENWYD 65  
 Db 1 DKHTCPCPAPLLGGPSVLFPPKPKDTLMSRPEVTCVVVDVSHEDDEVKENWYD 60  
 Qy 66 GVEVHANXTRKPREQNSTYRVSVTTLHQNWNGKEYCKVSNKALPAIETKISAK 125  
 Db 61 GVEVHANXTRKPREQNSTYRVSVTTLHQNWNGKEYCKVSNKALPAIETKISAK 120  
 Qy 126 VQPREPOVYTPPSRDELTQNSVSLTCLVKQGPSPDAVEWSNGOPENNYKTTTPVLDs 185  
 Db 121 GQPREPOVYTPPSRDELTQNSVSLTCLVKQGPSPDAVEWSNGOPENNYKTTTPVLDs 180  
 Qy 186 VGSFFFLYSKLTVDKSRMOCGNYFSCSYWHEALHNHYQRSLSLSPGK 232  
 Db 181 DGSSFLYSLTVDSRMRQGNYFSCSYWHEALHNHYTQKSLSLSPGK 227

RESULT 16  
 US-10-435-608-2  
 ; Sequence 2, Application US/10435608  
 ; Publication No. US20030235536A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Blumberg, Richard S.  
 ; Lancer, Wayne I.  
 ; SIMISTER, Neil E.  
 ; APPLICANT: Bitonti, Alan J.  
 ; TITLE OF INVENTION: CENTRAL AIRWAY ADMINISTRATION FOR SYSTEMIC DELIVERY OF THERAPEUTIC AGENTS  
 ; FILE REFERENCE: S01383\_70010.US  
 ; CURRENT FILING DATE: 2003-05-09  
 ; PRIOR APPLICATION NUMBER: PCT/US02/21335  
 ; NUMBER OF SEQ ID NOS: 27  
 ; SOFTWARE: Patentin version 3.1  
 ; SEQ ID NO 2  
 ; LENGTH: 227  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; SEQ ID NO 60  
 ; LENGTH: 227  
 ; TYPE: PRT  
 ; FEATURE:  
 ; OTHER INFORMATION: Human FC IgG1  
 ; US-10-269-695-60

Query Match	94.8%	Score 1195;	DB 15;	Length 227;
Best Local Similarity	96.9%;	Pred. No. 4..1e-94;		
Matches 220;	Conservative	3; Mismatches	4;	Indels 0; Gaps 0;

Qy 6 DKHTCPCPAPLLGGPSVLFPPKPKDTLMSRPEVTCVVVDVSHEDDEVKENWYD 65  
 Db 1 DKHTCPCPAPLLGGPSVLFPPKPKDTLMSRPEVTCVVVDVSHEDDEVKENWYD 60  
 Qy 66 GVEVHANXTRKPREQNSTYRVSVTTLHQNWNGKEYCKVSNKALPAIETKISAK 125  
 Db 61 GVEVHANXTRKPREQNSTYRVSVTTLHQNWNGKEYCKVSNKALPAIETKISAK 120  
 Qy 126 VQPREPOVYTPPSRDELTQNSVSLTCLVKQGPSPDAVEWSNGOPENNYKTTTPVLDs 185  
 Db 121 GQPREPOVYTPPSRDELTQNSVSLTCLVKQGPSPDAVEWSNGOPENNYKTTTPVLDs 180  
 Qy 186 VGSFFFLYSKLTVDKSRMOCGNYFSCSYWHEALHNHYQRSLSLSPGK 232  
 Db 181 DGSSFLYSLTVDSRMRQGNYFSCSYWHEALHNHYTQKSLSLSPGK 227

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OM protein - protein search, using sw model

Run on: August 18, 2004, 00:56:48 ; Search time 22.8412 Seconds

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 3: /cgn2\_6/podata/2/iaa/6A COMB.pep.\*  
 4: /cgn2\_6/podata/2/iaa/6B COMB.pep.\*  
 5: /cgn2\_6/podata/2/iaa/9C COMB.FEP:.\*  
 6: /cgn2\_6/podata/2/iaa/backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query	Match Length	ID	Description
1	1273.5	71.1	4	US-09-485-737B-10	Sequence 90, Appl
2	1247	277	4	US-09-428-082B-12	Sequence 22, Appl
3	1243	40.6	268	4	Sequence 8, Appl
4	1232	40.3	660	3	Sequence 8, Appl
5	1232	40.3	660	3	Sequence 8, Appl
6	1232	40.3	660	3	Sequence 8, Appl
7	1232	40.3	660	3	Sequence 8, Appl
8	1226	40.1	253	4	Sequence 16, Appl
9	1225	40.0	232	2	Sequence 50, Appl
10	1225	40.0	331	3	Sequence 2, Appl
11	1225	40.0	331	4	Sequence 11, Appl
12	1225	40.0	360	4	Sequence 14, Appl
13	1225	40.0	371	1	Sequence 7, Appl
14	1225	40.0	371	3	Sequence 22, Appl
15	1225	40.0	376	4	Sequence 3, Appl
16	1225	40.0	396	2	Sequence 13, Appl
17	1225	40.0	396	3	Sequence 12, Appl
18	1225	40.0	424	5	Sequence 11, Appl
19	1225	40.0	424	5	Sequence 10, Appl
20	1225	40.0	437	5	Sequence 11, Appl
21	1225	40.0	442	4	Sequence 7, Appl
22	1225	40.0	442	5	Sequence 9, Appl
23	1225	40.0	446	3	Sequence 7, Appl
24	1225	40.0	449	1	Sequence 6, Appl
25	1225	40.0	459	1	Sequence 5, Appl
26	1225	40.0	475	4	Sequence 4, Appl
27	1225	40.0	476	2	Sequence 3, Appl

28 1225 40.0 476 3 US-08-487-550-4  
 29 1225 40.0 476 3 US-08-487-550-12  
 30 1225 40.0 476 4 US-09-526-098-4  
 Sequence 4, Appl  
 Sequence 12, Appl  
 Sequence 1, Appl  
 Sequence 9, Appl  
 Sequence 8, Appl  
 Sequence 6, Appl  
 Sequence 4, Appl  
 Sequence 54, Appl  
 Sequence 53, Appl  
 Sequence 8, Appl  
 Sequence 2, Appl  
 Sequence 7, Appl  
 Sequence 9, Appl  
 Sequence 25, Appl  
 Sequence 7, Appl  
 Sequence 33, Appl  
 Sequence 33, Appl

#### ALIGNMENTS

RESULT 1  
 US-09-485-737B-90  
 ; Sequence 90, Application US/09485737B  
 ; Patent No. 6350860  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Buyle, Marie-Ange  
 ; APPLICANT: Sablon, Erwin  
 ; TITLE OF INVENTION: INTERFERON-GAMMA-BINDING MOLECULES FOR TREATING SEPTIC SHOCK,  
 ; IMMUNE DISEASES AND SKIN DISORDERS  
 ; FILE REFERENCE: INNS: 015  
 ; CURRENT APPLICATION NUMBER: US/09/485-737B  
 ; CURRENT FILING DATE: 2000-02-14  
 ; PRIORITY NUMBER: PCT/EP 98/05165  
 ; PRIOR FILING DATE: 1998-08-14  
 ; PRIORITY NUMBER: EPO 98870139.7  
 ; PRIORITY NUMBER: EPO 98870122.5  
 ; PRIORITY NUMBER: EPO 97870122.5  
 ; SOFTWARE: Patentin version 3.0  
 ; SEQ ID NO: 90  
 ; LENGTH: 711  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: SYNTHETIC  
 US-09-485-737B-90

Query Match 41.6%; Score 1273.5; DB 4; Length 711;  
 Best Local Similarity 50.1%; Pred. No. 4.6e-99;  
 Matches 286; Conservative 45; Mismatches 109.; Indels 131.; Gaps 16;

Qy 1 EPKSDKHTCPCKPDKLTMISRPPEVTCVVVDVSHEDEVKF 60  
 Db 236 EPKSDKHTCPCKPDKLTMISRPPEVTCVVVDVSHEDEVKF 295

Query Match 41.6%; Score 1273.5; DB 4; Length 711;  
 Best Local Similarity 50.1%; Pred. No. 4.6e-99;  
 Matches 286; Conservative 45; Mismatches 109.; Indels 131.; Gaps 16;

Qy 61 NWYVGTEVHNVYTKTPREQYNTVSVTILVHONWNGKEYRKVSKNSKALPAIETK 120  
 Db 296 NWYVGTEVANAKTKEREQNTVSVTILVHDLWLGKEYRKVSKNSKALPAIETK 355

Qy 1 ISAKVQPREPOYTLPSPRDELTKNQVSITCLVKGFPSDIAWEWSNGOPENNYKTP 180  
 Db 356 ISAKGQPREPOYTLPSPRDELTKNQVSITCLVKGFPSDIAWEWSNGOPENNYKTP 415

Qy 181 PYLDSYGSFFFLYSKLTVDKSRWQGNVFSCSYMEALTHNHQQRSLSLSPGKVEGGGSG 240  
 Db 416 PYLDSDGSFFFLYSKLTVDKSRWQGNVFSCSVMEALTHNHYTOKSLSLSPGK 468

Qy 241 GCGGGGGSFTPPPTVKLOSSCD---GGGHFPPTQLLCLVSGYTPGTINITWLED--- 293

**RESULT 2**  
 US-09-428-082B-22  
 i Sequence 22, Application US/09428082B  
 i Patent No. 6660843  
 i GENERAL INFORMATION:  
 i APPLICANT: FEIGE, ULRICH  
 i APPLICANT: LIU, CHUAN FA  
 i APPLICANT: CHEETHAM, JANET C.  
 i APPLICANT: BOONE, THOMAS CHARLES  
 i TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS  
 i CURRENT APPLICATION NUMBER: US/09/428, 082B  
 i CURRENT FILING DATE: 1999-10-22  
 i PRIORITY APPLICATION NUMBER: 60/105, 371  
 i PRIORITY FILING DATE: 1998-10-23  
 i NUMBER OF SEQ ID NOS: 1133  
 i SOFTWARE: PatentIn version 3.1  
 i SEQ ID NO: 8  
 i LENGTH: 268  
 i TYPE: PRT  
 i ORGANISM: Artificial Sequence  
 i FEATURE:  
 i OTHER INFORMATION: FC-TMP-TMP  
 i US-09-428-082B-8

Query Match 40.8%; Score 1247; DB 4; Length 277;  
 Best Local Similarity 81.8%; Pred. No. 2e-97; Gaps 5;  
 Matches 239; Conservative 7; Mismatches 12; Indels 34;  
 Qy 6 DKTHTCPCPAPLIGPBSVLFPPKDKTLMISRPEVTVYDPEVKENWVD 65  
 Db 2 DKTHTCPCPAPLIGPBSVLFPPKDKTLMISRPEVTVYDPEVKENWVD 61  
 Qy 66 GVEHNAATKPREQNSTYRVSVLTVLHQWLNGEYKCKVSNKALPAIETKISAK 125  
 Db 62 GVEHNAATKPREQNSTYRVSVLTVLHQWLNGEYKCKVSNKALPAIETKISAK 121  
 Qy 126 VQPREPQYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEENSGOPENNYKTPPVLDs 185  
 Db 122 GQPREPQYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEENSGOPENNYKTPPVLDs 181  
 Qy 186 VGSEFLYSKLTVDKSRMGNVFCSCWMEAHNHYCORSLSLSPGKVEGGSSG--- 240  
 Db 182 DGSEFLYSKLTVDKSRMGNVFCSCWMEAHNHYCORSLSLSPKGGGIEGPTLQ 241  
 Qy 241 -----GGGGGGGGSFTPPTVK 256  
 Db 242 WLAARAGGGGGGGIEGPTLQ 262

**RESULT 3**  
 US-09-428-082B-8  
 i Sequence 8, Application US/09428082B  
 i Patent No. 6660843  
 i GENERAL INFORMATION:  
 i APPLICANT: FEIGE, ULRICH  
 i APPLICANT: LIU, CHUAN FA  
 i APPLICANT: CHEETHAM, JANET C.  
 i APPLICANT: BOONE, THOMAS CHARLES  
 i TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS  
 i CURRENT APPLICATION NUMBER: US/09/428, 082B  
 i CURRENT FILING DATE: 1999-10-22  
 i PRIORITY APPLICATION NUMBER: 60/105, 371  
 i PRIORITY FILING DATE: 1998-10-23  
 i NUMBER OF SEQ ID NOS: 1133  
 i SOFTWARE: PatentIn version 3.1  
 i SEQ ID NO: 8  
 i LENGTH: 268  
 i TYPE: PRT  
 i ORGANISM: Artificial Sequence  
 i FEATURE:  
 i OTHER INFORMATION: FC-TMP-TMP  
 i US-09-428-082B-8

Query Match 40.6%; Score 1243; DB 4; Length 268;  
 Best Local Similarity 88.9%; Pred. No. 4.1e-37; Gaps 1;  
 Matches 232; Conservative 5; Mismatches 14; Indels 10;  
 Qy 6 DKTHTCPCPAPLIGPBSVLFPPKDKTLMISRPEVTVYDPEVKENWVD 65  
 Db 2 DKTHTCPCPAPLIGPBSVLFPPKDKTLMISRPEVTVYDPEVKENWVD 61  
 Qy 66 GVEHNAATKPREQNSTYRVSVLTVLHQWLNGEYKCKVSNKALPAIETKISAK 125  
 Db 62 GVEHNAATKPREQNSTYRVSVLTVLHQWLNGEYKCKVSNKALPAIETKISAK 121  
 Qy 126 VQPREPQYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEENSGOPENNYKTPPVLDs 185  
 Db 122 GQPREPQYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEENSGOPENNYKTPPVLDs 181  
 Qy 186 VGSEFLYSKLTVDKSRMGNVFCSCWMEAHNHYCORSLSLSPGKVEGGSSG--- 240  
 Db 182 DGSEFLYSKLTVDKSRMGNVFCSCWMEAHNHYCORSLSLSPKGGGIEGPTLQ 241  
 Qy 241 -----GGGGGGGGSFTPPTVK 256  
 Db 242 WLAARAGGGGGGGIEGPTLQ 262

**RESULT 4**  
 US-09-181-706-8  
 i Sequence 8, Application US/09181706  
 i Patent No. 6130068  
 i GENERAL INFORMATION:  
 i APPLICANT: Melanie K. Spriggs, Michael R. Comeau,  
 i APPLICANT: Robert F. DuBoe, Richard S. Johnson  
 i TITLE OF INVENTION: VIRAL ENCODED SEMAPHORIN PROTEIN  
 i NUMBER OF SEQUENCES: 10  
 i CORRESPONDENCE ADDRESS:  
 i ADDRESSEE: Janis C. Henry  
 i STREET: 51 University St.  
 i CITY: Seattle  
 i STATE: WA  
 i COUNTY: US  
 i ZIP: 98101  
 i COMPUTER READABLE FORM:  
 i MEDIUM TYPE: Floppy disk  
 i COMPUTER: IBM PC compatible  
 i OPERATING SYSTEM: PC-DOS/MS-DOS  
 i SOFTWARE: PatentIn Release #1.0, Version #1.30  
 i CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/181,706  
 FILING DATE: October 28, 1998  
 CLASSIFICATION:  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US 08/958,598 (converted to a  
 APPLICATION NUMBER: Provisional, see below)  
 FILING DATE: October 28, 1997  
 CLASSIFICATION:  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: -- to be assigned-- (USSN 08/958,598  
 APPLICATION NUMBER: conversion to Provisional application)  
 FILING DATE: October 26, 1998  
 CLASSIFICATION:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Henry, Janis C  
 REGISTRATION NUMBER: 34,347  
 REFERENCE/DOCKET NUMBER: 2631-A  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (206) 233-0644  
 TELEFAX: (206) 470-4189  
 INFORMATION FOR SEQ ID NO: 8:  
 LENGTH: 660 amino acids  
 TOPOLogy: linear  
 MOLECULE TYPE: protein  
 SEQUENCE CHARACTERISTICS:  
 SEQUENCE DESCRIPTION: SEQ ID NO: 8:  
 US-09-181-706-8

Query Match Score 1232; DB 3; Length 660;  
 Best Local Similarity 93.0%; Pred. No. 1.3e-95;  
 Matches 227; Conservative 7; Mismatches 8; Indels 2; Gaps 1;

Qy : 1 EPKSCDKTHTCPPCPAPELIGGSVFLFPKPDKTLMSRTPETCVYVDVSHEDPVKF 60  
 Db : 32 DKRSCDKTHTCPPCPAPELIGGSVFLFPKPDKTLMSRTPETCVYVDVSHEDPVKF 91

Qy : 61 NWYDGVENVNVTKPREBCYNSTYRVSVLTVLHQDNMNGREYKCKVSNKALPAPIKT 120  
 Db : 92 NWYDGVENVNVTKPREBCYNSTYRVSVLTVLHQDNMNGREYKCKVSNKALPAPIKT 151

Qy : 92 NWYDGVENVNVTKPREBCYNSTYRVSVLTVLHQDNMNGREYKCKVSNKALPAPIKT 120  
 Db : 121 ISKAKVQPREPVYTLPSPRDELTKKNQVSLTCLVKGFYPSDIAVEWESNGOPENNYKTP 180

Qy : 121 ISKAKVQPREPVYTLPSPRDELTKKNQVSLTCLVKGFYPSDIAVEWESNGOPENNYKTP 180  
 Db : 152 ISKAKGQPREPVYTLPSPRDELTKKNQVSLTCLVKGFYPSDIAVEWESNGOPENNYKTP 211

Qy : 181 PVLDVGSPFLYSKLTVDKSRWQGNVFSCSVMHEALTHYQORSLSISPGKVEGGGSG 240  
 Db : 212 PVLDVGSPFLYSKLTVDKSRWQGNVFSCSVMHEALTHYQORSLSISPGKVEGGGSG 269

Qy : 241 GGGS 244  
 Db : 270 GGGS 273

RESULT 5  
 US-09-458-791-8  
 Sequence 8, Application US/09458791  
 Patent No. 6174659  
 GENERAL INFORMATION:  
 APPLICANT: Spriggs, Melanie  
 TITLE OF INVENTION: VIRAL ENCODED SEMAPHORIN PROTEIN  
 NUMBER OF SEQUENCES: 10  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Janis C. Henry  
 STREET: 51 University St.  
 CITY: Seattle  
 STATE: WA  
 COUNTRY: US  
 ZIP: 98101  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: MS-DOS/Windows 95  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/459,066  
 FILING DATE:

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NAME : Henry, Janis C          ; 34, 347
; REGISTRATION NUMBER: 2631
; REFERENCE/DOCKET NUMBER: 2631
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 470-4189
; FAX: (206) 233-0644
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 660 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-1599-065-8

Query Match      Score 1232; DB 4; Length 660;
Best Local Similarity 93.0%; Pred. No. 1.3e-95;
Matches 227; Conservative 7; Mismatches 8; Indels 2; Gaps 1;

QY   1 EPKSDCKTHTCPCPAPLLGGPSVLFPPRKPDLMISRTPEVTVVYDVSHEDPEVYKTF 60
Db    32 DKRSCKTHTCPCPAPLLGGPSVLFPPRKPDLMISRTPEVTVVYDVSHEDPEVYKTF 91
QY   61 NWTVDGVEVHVKTKRREEQYNSTYRVVSVLTVLHQNMNGKEYKCKVSNKALPAPIKTT 120
Db    92 NWTVDGVEVHVKTKRREEQYNSTYRVVSVLTVLHQDWINGKEYKCKVSNKALPAPIKTT 151
Qy  121 ISKAKVQPREPVYTPPSRDELTKNQVSLETCLVKGFPYPSDIAVWESNGOPENNYKTP 180
Db  152 ISKAKGQPREPVYTPPSRMEETKVNQVSLETCLVKGFPYPSDIAVWESNGOPENNYKTP 211
Qy  181 PVDSDSSFFLYSKLTIVDKSRWQGQNVFSCVMHEALRNHYTOKSLSLSPGK - GG3GSG 240
Db  212 PVDSDSSFFLYSKLTIVDKSRWQGQNVFSCVMHEALRNHYTOKSLSLSPGK - GG3GSG 269
Qy  241 GGGS 244
Db   270 GGGS 273

RESULT 8
US-09-128-082B-16
; Sequence 16, Application US/09426082B
; Patent No. 666843
; GENERAL INFORMATION:
; APPLICANT: FEIGE, ULRICH
; APPLICANT: LIU, CHUAN FA
; APPLICANT: CHEETHAM, JANEET C.
; APPLICANT: BOONE, THOMAS CHARLES
; TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
; FILE REFERENCE: A-527
; CURRENT APPLICATION NUMBER: US/09/428,082B
; CURRENT FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: 60/1105,371
; PRIOR FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 1133
; SOFTWARE: Patentin version 3.1
; SEQ ID NO: 16
; LENGTH: 253
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: FC-EMP
US-09-428-082B-16

Query Match      Score 1226; DB 4; Length 253;
Best Local Similarity 84.7%; Pred. No. 1e-95;
Matches 233; Conservative 11; Mismatches 24; Indels 24; Gaps 4;
Qy   6 DKTHTCPCPAPLLGGPSVLFPPRKPDLMISRTPEVTVVYDVSHEDPEVYKTFNNTYD 65
Db   2 DKTHTCPCPAPLLGGPSVLFPPRKPDLMISRTPEVTVVYDVSHEDPEVYKTFNNTYD 61
Qy  66 GIVEVHVKTKRREEQYNSTYRVVSVLTVLHQNMNGKEYKCKVSNKALPAPIKTTAK 125

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db	6.2	GVEVNAKTKPREEQYNSTEVSVLTLVKEYVKVSNKALPAIEKTISKAR	121
Py	1.26	VQPBPQVYTLPPSRDELTKNQVSLLCLVKGRYPSDIAVEWSNGOPENNYKTTBPVLDS	185
db	1.22	GQPBPQVYTLPPSRDELTKNQVSLLCLVKCFYPSDIAVEWSNGOPENNYKTTBPVLDS	181
Py	186	VGSFLFLYSKLTVDKSRWQCGNVSFCSCSYMHEALTHNNHYQRSLSLSPGKVEGGGSGGGSG	245
db	182	DGSFLFLYSKLTVDKSRWQCGNVSFCSCSYMHEALTHNNHYTOKSLSLSPSK-----GGGG	232
Py	246	GGSF1PPTVKLQLSSSDG3GHFPPTQLLCVSG	280
db	233	GGGTY-----SC-----HFGP-LTWICKPQG	252

RESULT 9  
S-08-595-043A-50  
Sequence 50, Application US/08595043A  
Patent No. 5935824

GENERAL INFORMATION:

APPLICANT: SGARLATO, GREGORY D.

TITLE OF INVENTION: PROTEIN EXPRESSION SYSTEM

NUMBER OF SEQUENCES: 90

CORRESPONDENCE ADDRESS:

ADDRESSEE: MEDLLEN & CARROLL

STREET: 220 MONTGOMERY STREET, SUITE 2200

CITY: SAN FRANCISCO

STATE: CALIFORNIA

ZIP: 94104

COMPONENTS:

COMPUTER READABLE FORM:

MEDIUM TYPE: FLOPPY DISK

COMPUTER: IBM PC COMPATIBLE

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/595,043A

FILING DATE: 31-JAN-1996

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: CARROLL, PETER G.  
REGISTRATION NUMBER: 32,837  
REDOCKET NUMBER: SGAR-00371

TELECOMMUNICATION INFORMATION:

TELEFAX: (415) 397-8338  
 INQUIRIES FOR SEQ ID NO: 50:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 232 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein

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Query Match Score 1225; DB 2;
Best Local Similarity 40.0%; No. 1.1e-95;

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RESULT 10  
US-09-178-869-2  
; Sequence No. US/09178869B  
; Patent No. 6197294  
; GENERAL INFORMATION:  
; APPLICANT: Tao, Wang  
; APPLICANT: Wong, Shou  
; APPLICANT: Hickey, William F.  
; APPLICANT: Haumann, Joseph P.  
; APPLICANT: Bietge, E. Edward  
TITLE OF INVENTION: CELL SURFACE-INDUCED MACROPHAGE ACTIVATION

```

; CURRENT FILING DATE: 1998-10-26
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 2
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-178-863-2

Query Match    40.0% ; Score 1225; DB 3; Length 331;
Best Local Similarity   97.0%; Pred. No. 1..9e-95;
Matches 225; Conservative 3; Mismatches 4; Indels 0; G
1 EPKSCDKTHTCPCKPAPLLGGPSVLFPPKPKDTLMISRPEVTCVVVDVYDHP
100 EPKSCDKTHTCPCKPAPLLGGPSVLFPPKPKDTLMISRPEVTCVVVDVYDHP
Qy 61 NWYVGDEVHNVKTKPKEBQNSTYRVSVLTVLHQDWLNGKEYKCKVSNKALPAP
Db 160 NWYVGDEVHNAKTKPKEBQNSTYRVSVLTVLHQDWLNGKEYKCKVSNKALPAP
Qy 121 ISAKVQPREPOVYTLPSSRDELTKHQVSLLTCLVKCFYPSDIAVEWNSQOPENY
Db 220 ISAKGQPREPVYTLPSSRDELTKHQVSLLTCLVKCFYPSDIAVEWNSQOPENY
Qy 181 PVLDVGSEFFLYSKLTVDKSRWQQGNNFSCSVMHELNHYQORSLSLSPGK
Db 280 PVLDSDGSFFLYSKLTVDKSRWQQGNNFSCSVMHELNHYTQKSLSLSPGK

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RESULT 11  
US-09-761-413-2  
; Sequence 2, Application US/09761413  
; Parent No. 650891  
; GENERAL INFORMATION:  
; APPLICANT: Tao, Weng  
; APPLICANT: Wong, Shou

```
; APPLICANT: Hammard, Joseph P.  
; APPLICANT: Baetge, B. Edward  
; TITLE OF INVENTION: CELL SURFACE-INDUCED MACROPHAGE ACTIVATION  
; FILE REFERENCE: 17810-043  
; CURRENT APPLICATION NUMBER: US/09/761,413  
; CURRENT FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US/09/178,869  
; PRIOR FILING DATE: 1998-10-26  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 331  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-761-413-2
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RESULT 13  
US-08-236-311-7  
; Sequence 7, Application US/08236311  
; GENERAL INFORMATION:  
; APPLICANT: Capon, Daniel J.  
; APPLICANT: Gregory, Timothy J.  
; TITLE OF INVENTION: Adheson Variants  
; NUMBER OF SEQUENCES: 25  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Genentech, Inc.  
; STREET: 460 Point San Bruno Blvd  
; CITY: South San Francisco

Qy 1 EPKSCDKTHTCPCPAPBLLGGPSVFLFPPKPKDFTLIMISRPEVTCVVVDVSHEDEPEVKF 60  
Db 100 EPKSCDKTHTCPCPAPBLLGGPSVFLFPPKPKDFTLIMISRPEVTCVVVDVSHEDEPEVKF 159  
Qy 61 NNYTDGYEVHNYTKPREEQNSTYRVSVTLYHQNWNGKEYCKVSNKALPAPIKT 120  
Db 160 NNYTDGYEVHNAKTKPREEQNSTYRVSVTLYHQDWLNKECKVSNKALPAPIKT 219  
Qy 121 ISAKVQPREPOVYTLPSSRDLTQNQSLTCLVKGFYPSIPIAVEMESNGOPENNYKTP 180  
Db 220 ISAKGQPREPOVYTLPSSRDLTQNQSLTCLVKGFYPSIPIAVEMESNGOPENNYKTP 279  
Qy 181 PVLDSVSEFFLISKLTVDKSRMQQGNFSCSYMHEALTHYHQRSLSLSPK 232  
Db 280 PVLDSDSSFFLISKLTVDKSRMQQGNFSCSYMHEALTHYHQRSLSLSPK 331

RESULT 12  
US-09-180-100-11  
; Sequence 11, Application US/09180100  
; Patent No. 6306395  
; GENERAL INFORMATION:  
; APPLICANT: NAGATOMA, Shigezaku  
; TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE  
; FILE REFERENCE: 110-207P  
; CURRENT APPLICATION NUMBER: US/09/180,100  
; CURRENT FILING DATE: 1998-11-02  
; EARLIER APPLICATION NUMBER: PCT/JP97/01502  
; EARLIER FILING DATE: 1997-05-01  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 11  
; LENGTH: 360  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-09-180-100-11

Query Match Score 40.0%; Score 1225; DB 4; Length 360;  
Best Local Similarity 97.0%; Pred. No. 2.1e-95; Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSCDKTHTCPCPAPBLLGGPSVFLFPPKPKDFTLIMISRPEVTCVVVDVSHEDEPEVKF 60  
Db 129 EPKSCDKTHTCPCPAPBLLGGPSVFLFPPKPKDFTLIMISRPEVTCVVVDVSHEDEPEVKF 188  
Qy 61 NNYTDGYEVHNYTKPREEQNSTYRVSVTLYHQNWNGKEYCKVSNKALPAPIKT 120  
Db 189 NNYTDGYEVHNAKTKPREEQNSTYRVSVTLYHQDWLNKECKVSNKALPAPIKT 248  
Qy 121 ISAKVQPREPOVYTLPSSRDLTQNQSLTCLVKGFYPSIPIAVEMESNGOPENNYKTP 180  
Db 249 ISAKGQPREPOVYTLPSSRDLTQNQSLTCLVKGFYPSIPIAVEMESNGOPENNYKTP 308  
Qy 181 PVLDSVSEFFLISKLTVDKSRMQQGNFSCSYMHEALTHYHQRSLSLSPK 232  
Db 309 PVLDSDSSFFLISKLTVDKSRMQQGNFSCSYMHEALTHYHQRSLSLSPK 360

RESULT 14  
US-08-457-918-7  
; Sequence 7, Application US/08457918  
; GENERAL INFORMATION:  
; APPLICANT: Capon, Daniel J.  
; APPLICANT: Gregory, Timothy J.  
; TITLE OF INVENTION: Adheson Variants  
; NUMBER OF SEQUENCES: 25  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Genentech, Inc.  
; STREET: 460 Point San Bruno Blvd  
; CITY: South San Francisco

Qy 1 EPKSCDKTHTCPCPAPBLLGGPSVFLFPPKPKDFTLIMISRPEVTCVVVDVSHEDEPEVKF 60  
Db 140 EPKSCDKTHTCPCPAPBLLGGPSVFLFPPKPKDFTLIMISRPEVTCVVVDVSHEDEPEVKF 199  
Qy 61 NNYTDGYEVHNYTKPREEQNSTYRVSVTLYHQNWNGKEYCKVSNKALPAPIKT 120  
Db 200 NNYTDGYEVHNAKTKPREEQNSTYRVSVTLYHQDWLNKECKVSNKALPAPIKT 259  
Qy 121 ISAKVQPREPOVYTLPSSRDLTQNQSLTCLVKGFYPSIPIAVEMESNGOPENNYKTP 180  
Db 260 ISAKGQPREPOVYTLPSSRDLTQNQSLTCLVKGFYPSIPIAVEMESNGOPENNYKTP 319  
Qy 181 PVLDSVSEFFLISKLTVDKSRMQQGNFSCSYMHEALTHYHQRSLSLSPK 232  
Db 320 PVLDSDSSFFLISKLTVDKSRMQQGNFSCSYMHEALTHYHQRSLSLSPK 371

STATE: California  
 COUNTRY: USA  
 ZIP: 94080  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Datin (Genentech)  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/457,918  
 FILING DATE: 1-JUN-1995  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/236311  
 FILING DATE: 02-MAY-1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 07/935190  
 FILING DATE: 26-AUG-1992  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 07/842777  
 FILING DATE: 18-FEB-1992  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 07/255785  
 FILING DATE: 28-SEP-1988  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 07/104329  
 FILING DATE: 02-OCT-1987  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Kubinec, Jeffrey S.  
 REGISTRATION NUMBER: 36,575  
 REFERENCE/DOCKET NUMBER: P0444P1C3  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415/952-8228  
 TELEX: 910/371-7168  
 INFORMATION FOR SEQ ID NO: 7:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 371 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 US-08-457-918-7

Query Match Score 40.0%; DB 3; Length 371;  
 Best Local Similarity 97.0%; Pred. No. 2.2e-95;  
 Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSCDKTHCPCPAPELLGCPSPVLEPPKPKDTLMISRPEVTCVVVDHEDPEVKF 60  
 Db 140 EPKSCDKTHCPCPAPELLGCPSPVLEPPKPKDTLMISRPEVTCVVVDHEDPEVKF 199  
 Qy 61 NWYDGVENVNVTKTPREEQYNTVSVSLLTVLHQWNGKEYCKVSNKALPAPIKT 120  
 Db 200 NWYDGVENVNAKTTPREEQYNTVSVSLLTVLHQDWNIGKEYCKVSNKALPAPIKT 259  
 Qy 121 ISKAKYQPREQYVTLPPSDELTKNQVSLLTVLHQWNGKEYCKVSNKALPAPIKT 180  
 Db 260 ISKAKQPREQYVTLPPSDELTKNQVSLLTVLHQGFPEDIAWEENGOPENNYKTFP 319  
 Qy 181 PVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSYVMHEALTHHYQORSLSLSPGK 232  
 Db 320 PVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSYVMHEALTHHYTQSLSLSPGK 371

RESULT 15  
 US-09-180-100-22  
 ; Sequence 22, Application US/09180100  
 ; Parent No. 6106395  
 ; GENERAL INFORMATION:  
 ; APPLICANT: NAKAMURA, No. 6306395io  
 ; APPLICANT: NAGATA, Shinjekazu  
 ; TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE  
 ; FILE REFERENCE: 1110-207P  
 ; CURRENT APPLICATION NUMBER: US/09/180,100



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DOM protein - protein search, using SW mode]

Run on: August 18, 2004, 00:59:09 ; Search time 61.475 Seconds  
(without alignments)

Scoring table: BLOSUM62  
Gapext 0.0 , Gapext 0.5

Searched: 1292805 seqs, 313927144 residues

Total number of hits satisfying chosen parameters: 1292805

Minimum DB seq length: 0  
Maximum DB seq length: 0

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing First 45 summaries

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8: /con2\_6\_ptodata/1/pubbaa/PCT\_NEW\_PUB.pep.\*  
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13: /con2\_6\_ptodata/1/pubbaa/US10A\_PUBCOMB.pep.\*  
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16: /con2\_6\_ptodata/1/pubbaa/US60\_NEW\_PUB.pep.\*  
17: /con2\_6\_ptodata/1/pubbaa/US60\_NEW\_PUB.pep.\*  
18: /con2\_6\_ptodata/1/pubbaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

**SUMMARIES**

Result No.	Score	Query Match Length	DB ID	Description
1	3.060	100.0	569	US-03-847-208-7 Sequence 7, Appli
2	3.075	100.0	569	US-10-000-439-7 Sequence 7, Appli
3	3.175	58.0	574	US-10-047-542-45 Sequence 45, Appli
4	3.175	58.0	574	US-10-214-524-37 Sequence 31, Appli
5	3.175	58.0	574	US-10-050-902-176 Sequence 176, Appli
6	3.175	58.0	574	US-10-050-898-176 Sequence 176, Appli
7	3.166	57.7	427	US-03-847-208-5 Sequence 5, Appli
8	3.166	57.7	428	US-10-000-439-5 Sequence 1, Appli
9	3.166	57.7	428	US-09-949-375A-1 Sequence 1, Appli
10	3.166	57.7	428	US-09-949-375A-1 Sequence 1, Appli
11	3.155	57.4	441	US-10-047-542-60 Sequence 60, Appli
12	3.155	57.4	441	US-09-949-375A-7 Sequence 7, Appli
13	3.129	56.5	592	US-10-207-655-334 Sequence 334, Appli
14	3.107	55.8	320	US-09-847-208-6 Sequence 6, Appli
15	3.107	55.8	320	US-10-000-439-6 Sequence 6, Appli

**ALIGNMENTS**

RESULT 1 US-09-947-208-7

i Sequence 7, Application US/09847208  
; Publication No. US20030082190A1  
; GENERAL INFORMATION:  
; APPLICANT: Saxon, Andrew  
; APPLICANT: Zhang, Ke  
; APPLICANT: Zhu, Daoheng  
; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF  
; IGE-MEDIATED ALLERGIC DISEASES  
; FILE REFERENCE: UCG7\_002A  
; CURRENT APPLICATION NUMBER: US/09-847,208  
; CURRENT FILING DATE: 2001-05-01  
; NUMBER OF SEQ ID NOS: 177  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 7  
; LENGTH: 569  
; TYPE: PRT  
; ORGANISM: Unknown  
; FEATURE:  
; OTHER INFORMATION: Fusion between hinge-CH2-CH3 (IgG1) to CH2-CH3-CH4  
; OTHER INFORMATION: (IgE)  
US-09-947-208-7

Query Match Score 3060; DB 10; Length 569;  
Best Local Similarity 100%; Pred. No. 7; se-208;  
Matches 569; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EPKSCDCKHTCPPCPAPELLGGPSVFLPPKDTMISRTPEVTVYVDVSHEDPVEKF 60  
Db 1 EPKSCDCKHTCPPCPAPELLGGPSVFLPPKDTMISRTPEVTVYVDVSHEDPVEKF 60

Qy 61 NWYVDGIEWHNYKTKEPQEQQNSTYRVSIVLTLHQWNMNGKEYKCVSNKALPPEKT 120  
Db 61 NWYVDGIEWHNYKTKEPQEQQNSTYRVSIVLTLHQWNMNGKEYKCVSNKALPPEKT 120

Qy 121 ISKAKVQPREPQYTLPSSRDELTKQNSLTCLVKGFPXPSDIAVEWSNGOPENYKTP 180

	Result No.	Score	Query Match Length	DB ID	Description
1	3060	100.0	569	10	US-09-847-208-7
2	3060	100.0	569	12	US-10-000-49-7
3	1775	58.0	574	13	US-10-047-52-45
4	1775	58.0	574	14	US-10-014-52-4-37
5	1775	58.0	574	14	US-10-050-902-176
6	1775	58.0	574	14	US-10-050-88-176
7	1766	57.7	427	10	US-09-847-208-5
8	1766	57.7	427	10	US-10-000-49-5
9	1766	57.7	428	9	US-09-916-230-1
10	1766	57.7	428	9	US-09-949-372A-1
11	1766	57.7	428	13	US-10-047-52-60
12	1755	57.4	441	9	US-09-949-375A-7
13	1729	56.5	592	14	US-10-207-655-334
14	1707	55.8	320	10	US-09-847-208-6
15	1707	55.8	320	12	US-10-000-49-6
					SUMMARIES



RESULT 4  
 US-10-214-524-37  
 i Sequence 37, Application US/10214524  
 ; Publication No. US20030073142A1  
 i GENERAL INFORMATION:  
 i APPLICANT: Chen, Swey-Shen Alex  
 i APPLICANT: Yang, Yong-Min  
 i APPLICANT: Parankiewicz, Theresa J.  
 i APPLICANT: Chen, Zheng  
 i TITLE OF INVENTION: IMMUNOGLOBULIN E VACCINES AND METHODS OF USE THEREOF  
 i FILE REFERENCE: IGE 00101.P.1  
 i CURRENT APPLICATION NUMBER: US 10/214,524  
 i CURRENT FILING DATE: 2002-08-08  
 i PRIOR APPLICATION NUMBER: 60/312,120  
 i PRIOR FILING DATE: 2001-08-13  
 i NUMBER OF SEQ ID NOS: 61  
 i SOFTWARE: PatentIn version 3.1  
 i SEQ ID NO: 37  
 i LENGTH: 574  
 i TYPE: PRT  
 i ORGANISM: Human (Homo sapiens)  
 US-10-214-524-37

Query Match 58.0%; Score 1775; DB 14; Length 574;  
 Best Local Similarity 77.3%; Pred. No. 5.4e-117; Mismatches 17; Indels 351; Gaps 8;  
 Matches 351; Conservative 17; Mismatches 60; Indels 26; Gaps 8;

Qy 120 TISKAKYQPREPQVYIPLPPSDELTKNQVSLEI--CLVKGFYPSDIAVEWNSNGOPENNYK 177  
 Db 143 TVSSASPO-SBSVFTPLRKCKNPATSVTGGCATTGFPYPMVWTB-GSLNGTTM 199  
 Qy 178 TPP-PVLDVGSSFLYPSKLTPPTVKLOSSCDGGHFPPTICLCLYSGYTPGTINITWLEDGQ 235  
 Db 200 TLPATITLTSGHYATISLILY-SGAWAK-QMFTCRVAHTPSSTDWVNDKFPSVC---- 251  
 Qy 236 GGSGGGGGGGSFPTPTVKLOSSCDGGHFPPTICLCLYSGYTPGTINITWLEDGQ 295  
 Db 252 -----SRDFTPVTKLQSSDGGHFPPTICLCLYSGYTPGTINITWLEDGQ 300  
 Qy 296 VMDVDLSASTTQEGELASTQSELTLSQEWLSRDTTYTCQTYQGHTEEDSTKKGADSNP 355  
 Db 301 VMDVDLSASTTQEGELASTQSELTLSQEWLSRDTTYTCQTYQGHTEEDSTKKGADSNP 360  
 Qy 356 RGSAYLRSRSPFDLPIRKSPITLUVDAPISGKTVNLJWSRASGPVNHSRKEEKQR 355  
 Db 301 VMDVDLSASTTQEGELASTQSELTLSQEWLSRDTYQGHTEEDSTKKGADSNP 360  
 Qy 356 RGSAYLRSRSPFDLPIRKSPITLUVDAPISGKTVNLJWSRASGPVNHSRKEEKQR 415  
 Db 361 RGSAYLRSRSPFDLPIRKSPITLUVDAPISGKTVNLJWSRASGPVNHSRKEEKQR 420  
 Qy 416 NGTLAVTSTLPVGTRDWEGETYQCRVTHFPLPALMRSTTKSGPRAPEVYAFATEW 475  
 Db 421 NGTLAVTSTLPVGTRDWEGETYQCRVTHFPLPALMRSTTKSGPRAPEVYAFATEW 480  
 Qy 476 PGSRDKRTLACHIONMPEDISVQWLNEVOLPDRHSTTQPRKTGSGFFYFSRLEVTR 535  
 Db 481 PGSRDKRTLACHIONMPEDISVQWLNEVOLPDRHSTTQPRKTGSGFFYFSRLEVTR 540  
 Qy 536 AEWEQXDEFICRAVHEAASSQTVQRAVSVNGPK 569  
 Db 541 AEWEQXDEFICRAVHEAASSQTVQRAVSVNGPK 574

RESULT 6  
 US-10-050-998-176

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; Sequence 176, Application US/10050898
; Publication No. US2003017571A1
; GENERAL INFORMATION:
; APPLICANT: Renner, Wolfgang A.
; APPLICANT: Bachmann, Martin
; APPLICANT: Tisser, Alain
; APPLICANT: Maurer, Patrick
; APPLICANT: Lechner, Franziska
; APPLICANT: Sebbel, Peter
; APPLICANT: Piossek, Christine
; APPLICANT: Ortmann, Rainer
; APPLICANT: Luond, Rainer
; APPLICANT: Staufenbiel, Matthias
; APPLICANT: Frey, Peter
; TITLE OF INVENTION: Molecular Antigen Array
; FILE REFERENCE: 1700_0190005
; CURRENT APPLICATION NUMBER: US/10/059, 898
; CURRENT FILING DATE: 2002-01-18
; PRIOR APPLICATION NUMBER: US 60/262,379
; PRIOR FILING DATE: 2001-01-19
; PRIOR APPLICATION NUMBER: US 60/288,549
; PRIOR FILING DATE: 2001-05-04
; PRIOR APPLICATION NUMBER: US 60/326,998
; PRIOR FILING DATE: 2001-10-05
; PRIOR APPLICATION NUMBER: US 60/331,045
; PRIOR FILING DATE: 2001-11-07
; NUMBER OF SEQ ID NOS: 350
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 176
; LENGTH: 574
; TYPE: PRT
; ORGANISM: IgB heavy chain
US-10-050-898-176

Query Match      58.0%; Score 1775; DB 14; Length 574;
Best Local Similarity 77.3%; pred. No. 5.4e-117; Mismatches 8;
Matches 351; Conservative 17; Indels 60; Gaps 8;

Qy   120 TISKAKVQPREPQQVYTFPPSDELTKNQVSLT--CLVKRGYFPSDIAVEMESNGOPENVK 177
Db   143 TVSSASTQ-SBSVPFLTRCCKNIPMATSVTLGCLATGYPPEPMVNTDT-GSLNGBTM 199

Qy   178 TRP-PVLDGSVGSFFLSKLTQDKSRQOGHNFSCSMHEALTHNEY-QQERLSSLSPGKVEG 235
Db   200 TLPATITLGSIHYATISLTLTY-SGAAK-QMFTCRVAHTPSSTDVDNKKFSVC----- 251

Qy   236 GGGGGGGGGGGSPFBPTPVKILLOSSCDGGHHFPPTIQCLCVSGYTPCTINITWLEDQ 295
Db   252 -----SRDFPPPTVKILQSSCDGGHHFPPTIQCLCVSSXTPGTINITWLEDQ 300

Qy   296 VNDVDLSTASTTQEGELASTQSERTLSQRTWLSDRYTTCQTYQHTFEDSTKCADSNP 355
Db   301 VNDVDLSTASTTQEGELASTQSERTLSQKHLSDRYYTCQVYQHTFEDSTKCADSNP 360

Qy   356 RGYSAYLSRPSPPDFLRKSPITCIVDAPSKGVNLTVWSRASCKPNHSTRKEKQR 415
Db   361 RGYSAYLSRPSPPDFLRKSPITCIVDAPSKGVNLTVWSRASCKPNHSTRKEKQR 420

Qy   416 NGLTIVTSTLPVGTTRDIEGETYQCRTHPHLPRALMRSTIKTSGRRAPEVATAFPEN 475
Db   421 NGLTIVTSTLPVGTTRDIEGETYQCRTHPHLPRALMRSTIKTSGRRAPEVATAFPEN 480

Qy   476 PGSRDKRTLACLQNPMPEDISVQWLNEVQLPDAHSTTOPRKTKGSFFVFSRLEYTR 535
Db   481 PGSRDKRTLACLQNPMPEDISVQWLNEVQLPDAHSTTOPRKTKGSFFVFSRLEYTR 540

Qy   536 AWEQDEIFICRAVHEASPSIVQAVSVNPGK 569
Db   541 AENEQDEIFICRAVHEASPSIVQAVSVNPGK 574

```

TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-10-000-439-5

Query Match Score 1766; DB 12; Length 427;  
 Best Local Similarity 78.0%; Pred. No. 1..6-116;  
 Matches 347; Conservative 17; Mismatches 57;  
 Indels 24; Gaps 7;

Qy 129 REPOVYTLPPSRDELTKNQVLST- CLVKGYPSPDIAYWESNQOPENNYKTP-PVILDS 185  
 Db 3 QSPSYFPLTRCKKNIPSNATSVLGLCLATCYPEPVMYTWDT-GSLNGTTMTLPATTIIL 61  
 Qy 186 VGSFFLYSKRTVDKSRWQQAVNFCSVMEHALHNH-QORSLSLSPGKVEGGGGGGS 244  
 Db 62 SGHYATISLTV-SGAWAk-QMFTCRVAATPSSIDWVNKTFSVC----- 104  
 Qy 245 GGGGSPTPPTVKILLOSSCDGGHFPPTIQCLVSYGTYQTGTTINITWLEDQMDVDLSTA 304  
 Db 105 -SRDFTPPPTVKILLOSSCDGGHFPPTIQCLVSYGTYQTGTTINITWLEDQMDVDLSTA 162  
 Qy 305 STTQEGLASTQSELTSQKHWLSDRTYTCQVITYQGHTFEDSTKCADSNPRGVASLRS 364  
 Db 163 STTQEGLASTQSELTSQKHWLSDRTYTCQVITYQGHTFEDSTKCADSNPRGVASLRS 222  
 Qy 365 PSPFDLFIKSPTITCLVVDLAPSKGTVNLTWASKGPNHSTRKEEKQRNGTLTVTST 424  
 Db 223 PSPFDLFIKSPTITCLVVDLAPSKGTVNLTWASKGPNHSTRKEEKQRNGTLTVTST 282  
 RESULT 9  
 US-09-916-230-1  
 / Sequence 1, Application US/09916230  
 ; Patent No. US2002014642A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Bachmann, Martin F.  
 ; REINER, Wolfgang A.  
 ; TITLE OF INVENTION: Compositions for Inducing Self-Specific Anti-IGE  
 ; TITLE OF INVENTION: Antibodies and Uses Thereof  
 ; FILE REFERENCE: 1700\_0140001  
 ; CURRENT APPLICATION NUMBER: US/09/916,230  
 ; CURRENT FILING DATE: 2001-07-27  
 ; PRIOR APPLICATION NUMBER: US 60/221,841  
 ; PRIOR FILING DATE: 2000-07-28  
 ; NUMBER OF SEQ ID NOS: 35  
 ; SOFTWARE: Patentin version 3.0  
 ; SEQ ID NO 1  
 ; LENGTH: 428  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-916-230-1

Query Match Score 1766; DB 9; Length 428;  
 Best Local Similarity 78.0%; Pred. No. 1..6-116;  
 Matches 347; Conservative 17; Mismatches 57;  
 Indels 24; Gaps 7;

Qy 129 REPOVYTLPPSRDELTKNQVLST- CLVKGYPSPDIAYWESNQOPENNYKTP-PVILDS 185  
 Db 4 QSPSYFPLTRCKKNIPSNATSVLGLCLATCYPEPVMYTWDT-GSLNGTTMTLPATTIIL 62  
 Qy 186 VGSFFLYSKRTVDKSRWQQAVNFCSVMEHALHNH-QORSLSLSPGKVEGGGGGGS 244

63 SGHYATISLTV-SGAWAk-QMFTCRVAATPSSIDWVNKTFSVC----- 105  
 245 GGGGSPTPPTVKILLOSSCDGGHFPPTIQCLVSYTGPININITWLEDQMDVDLSTA 304  
 Db 116 -SRDFTPPPTVKILLOSSCDGGHFPPTIQCLVSYTGPININITWLEDQMDVDLSTA 163  
 Qy 305 STTQEGLASTQSELTSQKHWLSDRTYTCQVITYQGHTFEDSTKCADSNPRGVASLRS 364  
 Db 164 STTQEGLASTQSELTSQKHWLSDRTYTCQVITYQGHTFEDSTKCADSNPRGVASLRS 223  
 Qy 365 PSPFDLFIKSPTITCLVVDLAPSKGTVNLTWASKGPNHSTRKEEKQRNGTLTVTST 424  
 Db 224 PSPFDLFIKSPTITCLVVDLAPSKGTVNLTWASKGPNHSTRKEEKQRNGTLTVTST 283  
 Qy 425 LPVGTRDWTIEGETYQCPVTPHPLRAMLRSSTKTSQRRAABVYAPATPEPGSPDRKTL 484  
 Db 284 LPVGTRDWTIEGETYQCPVTPHPLRAMLRSSTKTSQRRAABVYAPATPEPGSPDRKTL 343  
 Qy 485 ACLQNMPEDISVQWLNHQVLPDARHSITOPRKTKGSGPFVSRLEVTRAWEQKDEF 544  
 Db 344 ACLQNMPEDISVQWLNHQVLPDARHSITOPRKTKGSGPFVSRLEVTRAWEQKDEF 403  
 Qy 545 ICRAVHEAAASPQTVQRAVSVPNGK 569  
 Db 404 ICRAVHEAAASPQTVQRAVSVPNGK 428  
 RESULT 10  
 US-09-949-375A-1  
 / Sequence 1, Application US/09949375A  
 ; Patent No. US20020172673A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: KLYSNER, Steen et al.  
 ; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE  
 ; FILE REFERENCE: 3631-011P  
 ; CURRENT FILING DATE: 2002-01-18  
 ; NUMBER OF SEQ ID NOS: 38  
 ; SOFTWARE: Patentin version 3.1  
 ; SEQ ID NO 1  
 ; LENGTH: 428  
 ; TYPE: PRT  
 ; ORGANISM: homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: DOMAIN  
 ; LOCATION: (11)..(116)  
 ; OTHER INFORMATION: Human IgE heavy chain C1 domain  
 ; FEATURE:  
 ; NAME/KEY: MISC\_FEATURE  
 ; LOCATION: (209)..(216)  
 ; OTHER INFORMATION: Linker between domains C2 and C3  
 ; FEATURE:  
 ; NAME/KEY: MISC\_FEATURE  
 ; LOCATION: (205)..(219)  
 ; OTHER INFORMATION: Epitope including C2C3 linker  
 ; FEATURE:  
 ; NAME/KEY: MISC\_FEATURE  
 ; LOCATION: (315)..(323)  
 ; OTHER INFORMATION: Epitope including C3C4 linker  
 ; FEATURE:  
 ; NAME/KEY: MISC\_FEATURE  
 ; LOCATION: (272)..(280)  
 ; OTHER INFORMATION: Epitope in DE loop  
 ; FEATURE:  
 ; NAME/KEY: MISC\_FEATURE  
 ; LOCATION: (301)..(311)  
 ; OTHER INFORMATION: Epitope in FG loop  
 ; FEATURE:  
 ; NAME/KEY: MISC\_FEATURE





; TITLE OF INVENTION: IgE-MEDIATED ALLERGIC DISEASES

; FILE REFERENCE: US67\_00A

; CURRENT APPLICATION NUMBER: US/09/847,208

; CURRENT FILING DATE: 2001-05-01

; NUMBER OF SEQ ID NOS: 177

; SOFTWARE: fascesq for Windows Version 4.0

; SEQ ID NO: 6

; LENGTH: 320

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-847-208-6

Query Match 55.8%; Score 1707; DB 10; Length 320;

Best Local Similarity 100.0%; Pred. No. 1.6e-112;

Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 FIBPTVILQSSCDGGHFPPTIQLCLVSGYTPGTINITLEDGYMDVLDLSTATTOE 309

Qy 250 FIBPTVILQSSCDGGHFPPTIQLCLVSGYTPGTINITLEDGYMDVLDLSTATTOE 309

Db 1 FIBPTVILQSSCDGGHFPPTIQLCLVSGYTPGTINITLEDGYMDVLDLSTATTOE 60

Qy 310 GELASTOSELTSQKHWLSDRTTYCQVTTGHTFEDSTKCADSNPGRVAYLSRSPSPFD 369

Db 61 GELASTQELTSQKHWLSDRTTYCQVTTGHTFEDSTKCADSNPGRVAYLSRSPSPFD 120

Qy 370 LFTRKSPTTICLVVDLAPSKGTVNLWMSRASGPVNHSRKEEKQNGTLTVTSLPVGT 429

Db 121 LFTRKSPTTICLVVDLAPSKGTVNLWMSRASGPVNHSRKEEKQNGTLTVTSLPVGT 180

Qy 430 RDWIEGETYQCRVTHPHLPALMRSTTKTSGRRAAPEVYAPATPENPGSRDKRTLACLIQ 489

Db 181 RDWIEGETYQCRVTHPHLPALMRSTTKTSGRRAAPEVYAPATPENPGSRDKRTLACLIQ 240

Qy 490 NMPEDISVQWLNEVOLPDASHSTTOPRKTKGSFVFSRLEVRAEWQKDDEFICRAY 549

Db 241 NMPEDISVQWLNEVOLPDASHSTTOPRKTKGSFVFSRLEVRAEWQKDDEFICRAY 300

Qy 550 HEASPSQTQVRAVSVNGK 569

Db 301 HEASPSQTQVRAVSVNGK 320

RESULT 15

US-10-000-439-6

; Sequence 6, Application US/10000439

; Publication No. US20030064065A1

; GENERAL INFORMATION:

; APPLICANT: Saxon, Andrew

; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR

; TREATMENT OF IMMUNE DISEASES

; FILE REFERENCE: UCO67\_00A

; CURRENT APPLICATION NUMBER: US/10/000,439

; CURRENT FILING DATE: 2001-10-24

; PRIOR APPLICATION NUMBER: US 09/847,208

; PRIOR FILING DATE: 2001-05-01

; NUMBER OF SEQ ID NOS: 13

; SOFTWARE: fascesq for Windows Version 4.0

; SEQ ID NO: 6

; LENGTH: 320

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-000-439-6

Query Match 55.8%; Score 1707; DB 12; Length 320;

Best Local Similarity 100.0%; Pred. No. 1.6e-112;

Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 FIBPTVILQSSCDGGHFPPTIQLCLVSGYTPGTINITLEDGYMDVLDLSTATTOE 309

Qy 310 GELASTOSELTSQKHWLSDRTTYCQVTTGHTFEDSTKCADSNPGRVAYLSRSPSPFD 369

Db 61 GELASTQELTSQKHWLSDRTTYCQVTTGHTFEDSTKCADSNPGRVAYLSRSPSPFD 120

GenCore version 5.1.6  
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MM protein - protein search, using sw model

run on: August 18, 2004, 00:59:09 ; Search time 34:54:06 Seconds  
(without alignments)

2908.366 Million Cell updates/sec

title: US-09-847-208B-6

perfect score: 1707

Sequence: FPPPTVKILQSSCDGGHFP.....HEAASSPSQTVQRAVSIVNPGK- 3:20

scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

searched: 1292805 seqs, 31392144 residues

Total number of hits satisfying chosen parameters: 1292805

minimum DB seq length: 0

maximum DB seq length: 20000000000

cost-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Published Applications AA:  
1: /cgn2\_6/podata/1/pubpa/US07\_PUBCOMB.pep: \*  
2: /cgn2\_6/podata/1/pubpa/US08\_PUBCOMB.pep: \*  
3: /cgn2\_6/podata/1/pubpa/US09\_PUBCOMB.pep: \*  
4: /cgn2\_6/podata/1/pubpa/US06\_PUBCOMB.pep: \*  
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7: /cgn2\_6/podata/1/pubpa/US07\_PUBCOMB.pep: \*  
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9: /cgn2\_6/podata/1/pubpa/US09\_PUBCOMB.pep: \*  
10: /cgn2\_6/podata/1/pubpa/US05\_PUBCOMB.pep: \*  
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15: /cgn2\_6/podata/1/pubpa/US10C\_PUBCOMB.pep: \*  
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17: /cgn2\_6/podata/1/pubpa/US60\_PUBCOMB.pep: \*  
18: /cgn2\_6/podata/1/pubpa/US60\_PUBCOMB.pep: \*

RESULT 1  
US-09-847-208-6  
; Sequence 6, Application US/09847208  
; Publication No. US20030082190A1  
; GENERAL INFORMATION:  
; APPLICANT: Saxon, Andrew  
; ATTORNEY: Zhang, Ke  
; ATTORNEY: Zhu, Daochang  
; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF  
; TITLE OF INVENTION: IgE-MEDIATED ALLERGIC DISEASES  
; FILE REFERENCE: UC67.102A  
; CURRENT APPLICATION NUMBER: US/09/847,208  
; CURRENT FILING DATE: 2001-05-01  
; NUMBER OF SEQ ID NOS: 177  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO: 6  
; LENGTH: 320  
; TYPE: PRT  
; ORGANISM: Homo sapiens

US-09-847-208-6

summaries

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

RESULTS

No.	Query	Match	Length	DB	ID	Description
1	1707	100.0	320	10	US-09-847-208-6	Sequence 6, Appli
2	1707	100.0	323	12	US-10-000-439-6	Sequence 6, Appli
3	1707	100.0	323	9	US-09-849-375A-4	Sequence 2, Appli
4	1707	100.0	323	9	US-09-949-375A-4	Sequence 4, Appli
5	1707	100.0	323	9	US-09-949-375A-6	Sequence 6, Appli
6	1707	100.0	331	9	US-09-401-636-1	Sequence 1, Appli
7	1707	100.0	331	14	US-10-116-661-1	Sequence 1, Appli
8	1707	100.0	331	14	US-10-207-655-329	Sequence 329, Appli
9	1707	100.0	331	16	US-10-673-554-1	Sequence 1, Appli
10	1707	100.0	427	10	US-09-847-208-5	Sequence 5, Appli
11	1707	100.0	427	12	US-10-000-439-5	Sequence 5, Appli
12	1707	100.0	428	9	US-09-916-230-1	Sequence 1, Appli
13	1707	100.0	428	9	US-09-949-375A-1	Sequence 1, Appli
14	1707	100.0	428	13	US-10-047-512-60	Sequence 60, Appli
15	1707	100.0	569	10	US-09-847-208-6	Sequence 7, Appli
16	1707	100.0	569	12	US-10-000-439-7	Sequence 7, Appli
17	1707	100.0	574	14	US-10-014-542-5	Sequence 37, Appli
18	1707	100.0	574	14	US-10-0214-524-5	Sequence 176, Appli
19	1707	100.0	574	14	US-10-050-902-176	Sequence 176, Appli
20	1707	100.0	574	14	US-10-050-898-176	Sequence 176, Appli
21	1707	100.0	592	14	US-10-207-655-34	Sequence 334, Appli
22	1696	99.4	336	9	US-09-949-375A-8	Sequence 8, Appli
23	1696	99.4	441	9	US-09-949-375A-7	Sequence 10, Appli
24	1671	97.9	330	9	US-09-949-375A-0	Sequence 13, Appli
25	1649	96.6	347	14	US-10-152-190-13	Sequence 12, Appli
26	1644.5	96.3	426	14	US-10-214-524-26	Sequence 11, Appli
27	1579	92.5	347	14	US-10-152-190-12	Sequence 11, Appli
28	1566.5	91.8	348	14	US-10-152-190-11	Sequence 10, Appli
29	1435.5	84.1	346	14	US-10-152-190-10	Sequence 3, Appli
30	1364.5	79.9	346	14	US-10-704-406-3	Sequence 2, Appli
31	1171	68.6	220	16	US-09-809-746-2	Sequence 6, Appli
32	1158	67.8	222	10	US-09-809-746-1	Sequence 8, Appli
33	1158	67.8	222	16	US-10-704-406-2	Sequence 8, Appli
34	1158	67.8	342	14	US-10-176-664-8	Sequence 8, Appli
35	1038.5	60.8	342	14	US-10-673-594-8	Sequence 12, Appli
36	1038.5	60.8	342	16	US-10-438-794-12	Sequence 16, Appli
37	1038.5	60.8	557	12	US-10-438-794-12	Sequence 16, Appli
38	1034.5	60.6	557	12	US-10-453-915-12	Sequence 16, Appli
39	1034.5	60.6	557	12	US-10-453-915-12	Sequence 16, Appli
40	1034.5	60.6	557	12	US-10-453-915-12	Sequence 16, Appli
41	1034.5	60.6	557	12	US-10-453-915-16	Sequence 16, Appli
42	1034.5	60.6	566	12	US-10-438-794-10	Sequence 18, Appli
43	1034.5	60.6	566	12	US-10-438-794-18	Sequence 10, Appli
44	1034.5	60.6	566	12	US-10-453-915-10	Sequence 10, Appli
45	1034.5	60.6	566	12	US-10-453-915-18	Sequence 18, Appli

ALIGNMENTS

RESULT 2

```

Db 181 RDWIEGETYQCRVTHPLPRLMRSTTKTSGRRAPEVYATPEWPGSRKRTLACLIQ 240
Qy 241 NFMPEDISVQWLHNEVOLPDAHSTTOPRKTKGSFVFSLVLETRAEWECKDEFICRAY 300
Db 241 NFMEDISVQWLHNEVOLPDAHSTTOPRKTKGSFVFSLVLETRAEWECKDEFICRAY 300
Qy 301 HEAASPCTVQRAVSYNPGK 320
Db 301 HEAASPCTVQRAVSYNPGK 320

```

OTHER INFORMATION: Human IgE heavy chain C2 domain

OTHER INFORMATION: Human IgE heavy chain C3 domain

OTHER INFORMATION: Human IgE heavy chain C3 domain

OTHER INFORMATION: Linker between domains C2 and C3

OTHER INFORMATION: Linker between domains C3 and C4

OTHER INFORMATION: Linker between domains C3 and C4

OTHER INFORMATION: Epitope including C2C3 linker

OTHER INFORMATION: Epitope including C3C4 linker

OTHER INFORMATION: Epitope including C3C4 linker

OTHER INFORMATION: Epitope in BC loop

OTHER INFORMATION: Epitope in DE loop

OTHER INFORMATION: Epitope in FG loop

Query Match Score 1707; DB 12; Length 320;
Best Local Similarity 100.0%; Pred. No. 1.8e-139;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTPPTVKILQLOSSCDGGHHFPPTIQLLCIVSGLVSGTGTINITLEDGQMDVYDLSASTTQE 60
Db 1 FTPPTVKILQLOSSCDGGHHFPPTIQLLCIVSGLVSGTGTINITLEDGQMDVYDLSASTTQE 60
Qy 61 GELASTQBLTLSQKHWSLDRITYTCQVYQCHTFEDSTKKADSNSPGRVSAYLSPSPFD 120
Db 61 GELASTQBLTLSQKHWSLDRITYTCQVYQCHTFEDSTKKADSNSPGRVSAYLSPSPFD 120
Qy 121 LFIRKSPITCLVVDLAPSQKTYNLTMRSACKPKVNTSTRKEEKONGTLTVTSTLPVGT 180
Db 121 LFIRKSPITCLVVDLAPSQKTYNLTMRSACKPKVNTSTRKEEKONGTLTVTSTLPVGT 180
Qy 181 RDWIEGETYQCRVTHPLPRLMRSTTKTSGRRAPEVYATPEWPGSRKRTLACLIQ 240
Db 181 RDWIEGETYQCRVTHPLPRLMRSTTKTSGRRAPEVYATPEWPGSRKRTLACLIQ 240
Qy 241 NFMPEDISVQWLHNEVOLPDAHSTTOPRKTKGSFVFSLVLETRAEWECKDEFICRAY 300
Db 241 NFMEDISVQWLHNEVOLPDAHSTTOPRKTKGSFVFSLVLETRAEWECKDEFICRAY 300
Qy 301 HEAASPCTVQRAVSYNPGK 320
Db 301 HEAASPCTVQRAVSYNPGK 320

RESULT 3

```

Us-09-949-375A-2
Sequence 2 Application US/09949375A
Patent No. US20020172673A1
GENERAL INFORMATION:
APPLICANT: KAYSNER, Steen et al.
TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE
FILE REFERENCE: 3631_011P
CURRENT APPLICATION NUMBER: US/09/949,375A
CURRENT FILING DATE: 2002-01-18
NUMBER OF SEQ ID NOS: 38

```

SOFTWARE: PatentIn version 3.1

SEQ ID NO 2

LENGTH: 323

TYPE: PRT

ORGANISM: homo sapiens

FEATURE:

NAME/KEY: DOMAIN

LOCATION: (8).:(103)

OTHER INFORMATION: Human IgE heavy chain C2 domain

FEATURE:

NAME/KEY: DOMAIN

LOCATION: (112).:(211)

OTHER INFORMATION: Human IgE heavy chain C3 domain

FEATURE:

NAME/KEY: DOMAIN

LOCATION: (216).:(317)

OTHER INFORMATION: Human IgE heavy chain C4 domain

FEATURE:

NAME/KEY: MISC FEATURE

LOCATION: (104).:(111)

OTHER INFORMATION: Linker between domains C2 and C3

FEATURE:

NAME/KEY: MISC FEATURE

LOCATION: (212).:(215)

OTHER INFORMATION: Linker between domains C3 and C4

FEATURE:

NAME/KEY: MISC FEATURE

LOCATION: (100).:(114)

OTHER INFORMATION: Epitope including C2C3 linker

FEATURE:

NAME/KEY: MISC FEATURE

LOCATION: (210).:(218)

OTHER INFORMATION: Epitope including C3C4 linker

FEATURE:

NAME/KEY: MISC FEATURE

LOCATION: (119).:(145)

OTHER INFORMATION: Epitope in BC loop

FEATURE:

NAME/KEY: MISC FEATURE

LOCATION: (167).:(175)

OTHER INFORMATION: Epitope in DE loop

FEATURE:

NAME/KEY: MISC FEATURE

LOCATION: (196).:(206)

OTHER INFORMATION: Epitope in FG loop

Qy 1 FTPPTVKILQLOSSCDGGHHFPPTIQLLCIVSGLVSGTGTINITLEDGQMDVYDLSASTTQE 60
Db 4 FTPPTVKILQLOSSCDGGHFPPTIQLLCIVSGLVSGTGTINITLEDGQMDVYDLSASTTQE 63
Qy 61 GELASTQBLTLSQKHWSLDRITYTCQVYQCHTFEDSTKKADSNSPGRVSAYLSPSPFD 120
Db 64 GELASTQBLTLSQKHWSLDRITYTCQVYQCHTFEDSTKKADSNSPGRVSAYLSPSPFD 120
Qy 121 LFIRKSPITCLVVDLAPSQKTYNLTMRSACKPKVNTSTRKEEKONGTLTVTSTLPVGT 180
Db 121 LFIRKSPITCLVVDLAPSQKTYNLTMRSACKPKVNTSTRKEEKONGTLTVTSTLPVGT 180
Qy 181 RDWIEGETYQCRVTHPLPRLMRSTTKTSGRRAPEVYATPEWPGSRKRTLACLIQ 240
Db 181 RDWIEGETYQCRVTHPLPRLMRSTTKTSGRRAPEVYATPEWPGSRKRTLACLIQ 240
Qy 241 NFMPEDISVQWLHNEVOLPDAHSTTOPRKTKGSFVFSLVLETRAEWECKDEFICRAY 300
Db 241 NFMEDISVQWLHNEVOLPDAHSTTOPRKTKGSFVFSLVLETRAEWECKDEFICRAY 300
Qy 301 HEAASPCTVQRAVSYNPGK 320
Db 301 HEAASPCTVQRAVSYNPGK 320

Score 1707; DB 9; Length 323;
Best Local Similarity 100.0%; Pred. No. 1.8e-139;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTPPTVKILQLOSSCDGGHHFPPTIQLLCIVSGLVSGTGTINITLEDGQMDVYDLSASTTQE 60
Db 4 FTPPTVKILQLOSSCDGGHFPPTIQLLCIVSGLVSGTGTINITLEDGQMDVYDLSASTTQE 63
Qy 61 GELASTQBLTLSQKHWSLDRITYTCQVYQCHTFEDSTKKADSNSPGRVSAYLSPSPFD 120
Db 64 GELASTQBLTLSQKHWSLDRITYTCQVYQCHTFEDSTKKADSNSPGRVSAYLSPSPFD 120
Qy 121 LFIRKSPITCLVVDLAPSQKTYNLTMRSACKPKVNTSTRKEEKONGTLTVTSTLPVGT 180
Db 121 LFIRKSPITCLVVDLAPSQKTYNLTMRSACKPKVNTSTRKEEKONGTLTVTSTLPVGT 180
Qy 181 RDWIEGETYQCRVTHPLPRLMRSTTKTSGRRAPEVYATPEWPGSRKRTLACLIQ 240
Db 181 RDWIEGETYQCRVTHPLPRLMRSTTKTSGRRAPEVYATPEWPGSRKRTLACLIQ 240
Qy 241 NFMEDISVQWLHNEVOLPDAHSTTOPRKTKGSFVFSLVLETRAEWECKDEFICRAY 300
Db 241 NFMEDISVQWLHNEVOLPDAHSTTOPRKTKGSFVFSLVLETRAEWECKDEFICRAY 300
Qy 301 HEAASPCTVQRAVSYNPGK 320
Db 301 HEAASPCTVQRAVSYNPGK 320

Db 304 HEAASPSQTIVQRAVSVNPGK 323

RESULT 4

US-09-949-375A-4  
; Sequence 4, Application US/0949375A  
; GENERAL INFORMATION:  
; APPLICANT: KLYSNER, Steen et al.  
; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING ICE  
; FILE REFERENCE: 3.631-0111P  
; CURRENT APPLICATION NUMBER: US/09/949,375A  
; CURRENT FILING DATE: 2002-01-18  
; NUMBER OF SEQ ID NOS: 38  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 4  
; LENGTH: 323  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Artificial amino acid sequence of SEQ ID NO: 3.

Query Match 100.0%; Score 1707; DB 9; Length 323;  
Best Local Similarity 100.0%; Pred. No. 1.8e-139;  
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 FTPPTVKILQSSCDGGHFPPTIQQLCIVLQGHTFEDSTTKCADSNPRGYSAYLSRSPSPFD 60  
Db 4 FTPPTVKILQSSCDGGHFPPTIQQLCIVLQGHTFEDSTTKCADSNPRGYSAYLSRSPSPFD 63

Qy 61 GELASTQSELTLSQRKHWSDRTYTCQVYQGHTFEDSTTKCADSNPRGYSAYLSRSPSPFD 120  
Db 64 GELASTQSELTLSQRKHWSDRTYTCQVYQGHTFEDSTTKCADSNPRGYSAYLSRSPSPFD 123

Qy 121 LFIKSPTITCLVVDLAPSKGTVNLTSRASGKPVNHSSTRKEKQRNGTLTVTSTLPVGT 180  
Db 124 LFIKSPTITCLVVDLAPSKGTVNLTSRASGKPVNHSSTRKEKQRNGTLTVTSTLPVGT 183

Qy 181 RDWIEGETYQCRYTHPHPLRALMRSITKSGPRAAPEVYAFATPEWPGSRDERTLALIQ 240  
Db 184 RDWIEGETYQCRYTHPHPLRALMRSITKSGPRAAPEVYAFATPEWPGSRDERTLALIQ 243

Qy 241 NFMPEDISVQWLNEVOLPDAHRSITQPRKTGSFGEVFSRLEVTRAWEQKDEFICRAY 300  
Db 244 NFMPEDISVQWLNEVOLPDAHRSITQPRKTGSFGEVFSRLEVTRAWEQKDEFICRAY 303

Qy 301 HEAASPSQTIVQRAVSVNPGK 320  
Db 304 HEAASPSQTIVQRAVSVNPGK 323

RESULT 5

US-09-949-375A-6  
; Sequence 6, Application US/0949375A  
; GENERAL INFORMATION:  
; APPLICANT: KLYSNER, Steen et al.  
; TITLE OF INVENTION: METHOD FOR DOWN-REGULATING ICE  
; FILE REFERENCE: 3.631-0111P  
; CURRENT APPLICATION NUMBER: US/09/949,375A  
; CURRENT FILING DATE: 2002-01-18  
; NUMBER OF SEQ ID NOS: 38  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 6  
; LENGTH: 323  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Artificial amino acid sequence of SEQ ID NO: 5.

Query Match 100.0%; Score 1707; DB 9; Length 323;

RESULT 7  
US-10-176-664-1  
; Sequence 1, Application US/1017664  
; PUBLIC INFORMATION:  
; APPLICANT: Hellman, Lars T.  
; TITLE OF INVENTION: ENHANCED VACCINES  
; FILE REFERENCE: 10223/006001  
; CURRENT APPLICATION NUMBER: US/10/176, 664  
; CURRENT FILING DATE: 2002-06-19  
; PRIOR APPLICATION NUMBER: US/09/401, 636  
; PRIOR FILING DATE: 1999-09-22  
; PRIOR APPLICATION NUMBER: US 60/106, 652  
; PRIOR FILING DATE: 1998-11-02  
; NUMBER OF SEQ ID NOS: 11  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO: 1  
; LENGTH: 331  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetically generated proteins

Query Match 100.0%; Score 1707; DB 14; Length 331;  
Best Local Similarity 100.0%; Pred. No. 1.9e-139;  
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTPPTVKILLOSSCDGGHHFPPTIQLCLVSYTGTINITLEDGQMDYDVLSTATTCQE 60  
Db 8 FTPPTVKILLOSSCDGGHHFPPTIQLCLVSYTGTINITLEDGQMDYDVLSTATTCQE 67

Qy 61 GELASTOSELTLSQKHWLSDRITYTCQTYQHTFEDSTTKCADSNPRGVSAYLSPSPFD 120  
Db 68 GELASTOSELTLSQKHWLSDRITYTCQTYQHTFEDSTTKCADSNPRGVSAYLSPSPFD 127

Qy 121 LFRKSPTITCLVVDLAPSKGTVNLTSRASKPVNTHSTRKEEKQRNGTLTVTSPLPGT 180  
Db 128 LFRKSPTITCLVVDLAPSKGTVNLTSRASKPVNTHSTRKEEKQRNGTLTVTSPLPGT 187

Qy 181 RDWIEGETYQCRVTHPHIPALMRSTKTSGRAAPEVYATPMPGSRDRRTACLIQ 240  
Db 188 RDWIEGETYQCRVTHPHIPALMRSTKTSGRAAPEVYATPMPGSRDRRTACLIQ 247

Qy 241 NMPEDISQWLINEVOLDPARHSTTOPRKTKGSGFVFSRLEVTRAWEQDEFICRAV 300  
Db 248 NMPEDISQWLINEVOLDPARHSTTOPRKTKGSGFVFSRLEVTRAWEQDEFICRAV 307

Qy 301 HEASPSOTVQRAVSYNPK 320  
Db 308 HEASPSOTVQRAVSYNPK 327

RESULT 9  
US-10-673-594-1  
; Sequence 1, Application US/10673594  
; Publication No. US20040076625A1  
; GENERAL INFORMATION:  
; APPLICANT: Hellman, Lars T.  
; TITLE OF INVENTION: ENHANCED VACCINES  
; CURRENT APPLICATION NUMBER: US/10/673-5, 94  
; CURRENT FILING DATE: 2003-09-29  
; PRIOR APPLICATION NUMBER: US/09/401, 636  
; PRIOR FILING DATE: 1999-09-22  
; PRIOR APPLICATION NUMBER: US 60/106, 652  
; PRIOR FILING DATE: 1998-11-02  
; NUMBER OF SEQ ID NOS: 11  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO: 1  
; LENGTH: 331  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetically generated proteins

Query Match 100.0%; Score 1707; DB 16; Length 331;  
Best Local Similarity 100.0%; Pred. No. 1.9e-139;  
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FTPPTVKILLOSSCDGGHHFPPTIQLCLVSYTGTINITLEDGQMDYDVLSTATTCQE 60  
Db 12 FTPPTVKILLOSSCDGGHHFPPTIQLCLVSYTGTINITLEDGQMDYDVLSTATTCQE 71

Qy 61 GELASTOSELTLSQKHWLSDRITYTCQTYQHTFEDSTTKCADSNPRGVSAYLSPSPFD 120  
Db 72 GELASTOSELTLSQKHWLSDRITYTCQTYQHTFEDSTTKCADSNPRGVSAYLSPSPFD 131

Qy 121 LFRKSPTITCLVVDLAPSKGTVNLTSRASKPVNTHSTRKEEKQRNGTLTVTSPLPGT 180  
Db 122 LFRKSPTITCLVVDLAPSKGTVNLTSRASKPVNTHSTRKEEKQRNGTLTVTSPLPGT 191

Qy 181 RDWIEGETYQCRVTHPHIPALMRSTKTSGRAAPEVYATPMPGSRDRRTACLIQ 240  
Db 192 RDWIEGETYQCRVTHPHIPALMRSTKTSGRAAPEVYATPMPGSRDRRTACLIQ 251

Qy 241 NMPEDISQWLINEVOLDPARHSTTOPRKTKGSGFVFSRLEVTRAWEQDEFICRAV 300  
Db 252 NMPEDISQWLINEVOLDPARHSTTOPRKTKGSGFVFSRLEVTRAWEQDEFICRAV 311

Qy 301 HEASPSOTVQRAVSYNPK 320  
Db 312 HEASPSOTVQRAVSYNPK 331

RESULT 8  
US-10-207-655-329  
; Sequence 329, Application US/10207655  
; Publication No. US2003018592A1  
; GENERAL INFORMATION:  
; APPLICANT: Leebetter, Jeffrey A.  
; APPLICANT: Hayden Leebetter, Martha S.  
; TITLE OF INVENTION: BINDING DOMAIN-IMMUNOGLOBULIN FUSION PROTEINS  
; FILE REFERENCE: 39009\_401C1  
; CURRENT APPLICATION NUMBER: US/10/207, 655  
; CURRENT FILING DATE: 2002-07-25  
; NUMBER OF SEQ ID NOS: 426  
; SOFTWARE: Patentin version 3.0  
; SEQ ID NO: 329

Db	132	LFIKRSPITCLVYDLPASRGKTVNLWRSASKPYNTHSTEKEEKGRTNGLTUTSTLPVGT	191
Dy	181	RDWIEGETYCQRVTHPHLPALRSTKTSGPRAPEVFAFPWPWSGDKRITAQCLIQ	240
Db	192	RDWIEGETYCQRVTHPHLPALRSTKTSGPRAPEVFAFPWPWSGDKRITAQCLIQ	251
Dy	241	NFMEDISQWLNEVQLPDAHSTTQPRTKGSSFFVFSRLEVTRAEWQKDEFICRAV	300
Db	252	NFMEDISQWLNEVQLPDAHSTTQPRTKGSSFFVFSRLEVTRAEWQKDEFICRAV	311
Dy	301	HEAASPQQTQRAYNSVNPKGK	320
Db	312	HEAASPQQTQRAYNSVNPKGK	331

TITLE OF INVENTION: TREATMENT OF IMMUNE DISEASES  
FILE REFERENCE: UCG067-004A  
CURRENT APPLICATION NUMBER: US/10/000,439  
CURRENT FILING DATE: 2001-10-24  
PRIOR APPLICATION NUMBER: US 09/847,208  
PRIOR FILING DATE: 2001-05-01  
NUMBER OF SEQ ID NO: 13  
SOFTWARE: FastSEQ for Windows Version 4.0  
SEQ ID NO 5  
LENGTH: 4,27  
TYPE: PRT  
ORGANISM: Homo sapiens  
US/10-0000-439-5

RESULT 10

JUS 09-817-208-5  
Sequence 5, Application US/09847208  
Publication No. US20130082190A1  
GENERAL INFORMATION:  
APPLICANT: Saxon, Andrew  
APPLICANT: Zhang, Ke  
APPLICANT: Zhu, Dacheng  
TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF  
TITLE OF INVENTION: IGE-MEDIATED ALLERGIC DISEASES  
FILE REFERENCE: UC67\_002A  
CURRENT APPLICATION NUMBER: US/09/847-208  
CURRENT FILING DATE: 2001-05-01  
NUMBER OF SEQ ID NOS: 177  
SOFTWARE: Fast-SEQ for Windows Version 4.0  
SEQ ID NO 5  
LENGTH: 427  
TYPE: PRF  
ORGANISM: Homo sapiens  
SEQUENCE:  
Qy 1 FTPPTVKILOSSCDGGGHFPPTIQJCLVSGSYTPGTINITWLEDGGYMDVDLSTATQTQE 60  
Db 108 FTPPTVKILOSSCDGGGHFPPTIQJCLVSGSYTPGTINITWLEDGGYMDVDLSTATQTQE 167  
Qy 61 GELASTOSELTLSQRKWLSDRVTTCVQYQHTTFELSTKCADSNRGVSAYLSSRSRSPFD 120  
Db 168 GELASTOSELTLSQRKWLSDRVTTCVQYQHTTFELSTKCADSNRGVSAYLSSRSRSPFD 227  
Qy 121 LPIRKSPTITCLVVDLAPSKGTVNLTWSRASGKPVNTHSTRKEKQNGTLTVTSTLPVGT 180  
Db 228 LPIRKSPTITCLVVDLAPSKGTVNLTWSRASGKPVNTHSTRKEKQNGTLTVTSTLPVGT 287  
Qy 181 RDWIEGETYQCRVTHPLPRLMRSTTKTSGRAAPEVYATPENPGSRDKRTLACLIQ 240  
Db 288 RDWIEGETYQCRVTHPLPRLMRSTTKTSGRAAPEVYATPENPGSRDKRTLACLIQ 347  
Qy 241 NMMPDIEVQWHNEVLPDARHSTDPRTKGSGFFFVFSRLJEVTAEEWQDEFCRAV 300

QY 61 GELASTOSELTLSOKHNLSDRTTYTCVTTGHTFEDSTKKCADSNPRGVSYAISRPSPFD 120  
 Db 169 GELASTOSELTLSOKHNLSDRTTYTCVTTGHTFEDSTKKCADSNPRGVSYAISRPSPFD 228  
 QY 121 LFIRKSPITCLVVLAPSKGTVNLTMSRASGKPVNHSREEKEKQRNGTLTVTSLPVG 180  
 Db 229 LFIRKSPITCLVVLAPSKGTVNLTMSRASGKPVNHSREEKEKQRNGTLTVTSLPVG 288  
 Qy 181 RDWIEGETYQCRVTHPHLPRALMRSITKTSGRRAAPEVYATPENPGSRDRTLACLIQ 240  
 Db 289 RDWIEGETYQCRVTHPHLPRALMRSITKTSGRRAAPEVYATPENPGSRDRTLACLIQ 348  
 Qy 241 NMPEDISVQWLNEVOLPAEHSSTTOPRKTKGSFFVFSLEVRAEWEEKDEFICRAV 300  
 Db 349 NMPEDISVQWLNEVQLPDAEHSSTTOPRKTKGSFFVFSLEVRAEWEEKDEFICRAV 408  
 Qy 301 HEAAPSPOTVQRAVSYNPGK 320  
 Db 409 HEAAPSPOTVQRAVSYNPGK 428

RESULT 13  
 US-09-949-375A-1  
 Sequence 1, Application US/094949375A  
 Patent No. US2002012673A1  
 GENERAL INFORMATION:  
 APPLICANT: KLYNSNER, STEEN et al.  
 TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE  
 FILE REFERENCE: 3631-0111P  
 CURRENT APPLICATION NUMBER: US/09/949,375A  
 CURRENT FILING DATE: 2002-01-18  
 NUMBER OF SEQ ID NOS: 38  
 SOFTWARE: PatentIn version 3.1  
 SEQ ID NO: 1  
 LENGTH: 28  
 TYPE: PRT  
 ORGANISM: homo sapiens  
 FEATURE:  
 NAME/KEY: DOMAIN  
 LOCATION: (11) ..(116)  
 OTHER INFORMATION: Human IgE heavy chain C1 domain  
 FEATURE: MISC FEATURE  
 NAME/KEY: MISC FEATURE  
 LOCATION: (209) .. (216)  
 OTHER INFORMATION: Linker between domains C2 and C3  
 FEATURE: MISC FEATURE  
 NAME/KEY: MISC FEATURE  
 LOCATION: (205) .. (219)  
 OTHER INFORMATION: Epitope including C2C3 linker  
 FEATURE: MISC FEATURE  
 NAME/KEY: MISC FEATURE  
 LOCATION: (315) .. (323)  
 OTHER INFORMATION: Epitope including C3C4 linker  
 FEATURE: MISC FEATURE  
 NAME/KEY: MISC FEATURE  
 LOCATION: (272) .. (280)  
 OTHER INFORMATION: Epitope in DE loop  
 FEATURE: MISC FEATURE  
 NAME/KEY: MISC FEATURE  
 LOCATION: (301) .. (311)  
 OTHER INFORMATION: Epitope in FG loop  
 FEATURE: MISC FEATURE  
 NAME/KEY: MISC FEATURE  
 LOCATION: (317) .. (320)  
 OTHER INFORMATION: Linker between domains C3 and C4  
 FEATURE: DOMAIN  
 NAME/KEY: DOMAIN  
 LOCATION: (321) .. (422)  
 OTHER INFORMATION: Human IgE heavy chain C4 domain

QY 61 GELASTOSELTLSOKHNLSDRTTYTCVTTGHTFEDSTKKCADSNPRGVSYAISRPSPFD 120  
 Db 169 GELASTOSELTLSOKHNLSDRTTYTCVTTGHTFEDSTKKCADSNPRGVSYAISRPSPFD 228  
 QY 121 LFIRKSPITCLVVLAPSKGTVNLTMSRASGKPVNHSREEKEKQRNGTLTVTSLPVG 180  
 Db 229 LFIRKSPITCLVVLAPSKGTVNLTMSRASGKPVNHSREEKEKQRNGTLTVTSLPVG 288  
 Qy 181 RDWIEGETYQCRVTHPHLPRALMRSITKTSGRRAAPEVYATPENPGSRDRTLACLIQ 240  
 Db 289 RDWIEGETYQCRVTHPHLPRALMRSITKTSGRRAAPEVYATPENPGSRDRTLACLIQ 348  
 Qy 241 NMPEDISVQWLNEVOLPAEHSSTTOPRKTKGSFFVFSLEVRAEWEEKDEFICRAV 300  
 Db 349 NMPEDISVQWLNEVQLPDAEHSSTTOPRKTKGSFFVFSLEVRAEWEEKDEFICRAV 408  
 Qy 301 HEAAPSPOTVQRAVSYNPGK 320  
 Db 409 HEAAPSPOTVQRAVSYNPGK 428

RESULT 14  
 US-10-047-542-60  
 Sequence 60, Application US/10047542  
 Publication No. US20020168367A1  
 GENERAL INFORMATION:  
 APPLICANT: LARRICK, JAMES W.  
 APPLICANT: WYCOFF, KEITH L.  
 APPLICANT: WYCOFF, KEITH L.  
 TITLE OF INVENTION: NOVEL IMMUNOADHESINS FOR TREATING AND PREVENTING VIRAL  
 FILE REFERENCE: 030905\_0004\_C1P1  
 CURRENT APPLICATION NUMBER: US/10/047,542  
 CURRENT FILING DATE: 2001-10-26  
 PRIOR APPLICATION NUMBER: PCT/US01/13932  
 PRIOR FILING DATE: 2001-04-28  
 PRIOR APPLICATION NUMBER: 60/200,298  
 PRIOR FILING DATE: 2000-04-28  
 NUMBER OF SEQ ID NOS: 101  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO: 60  
 LENGTH: 428  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-10-047-542-60

Query Match 100.0%; Score 1707; DB 13; Length 428;  
 Best Local Similarity 100.0%; Pred. No. 2..6..139;  
 Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FPPPTVKILQSSCDGGHFPPTIQLCIVSYYTPGTINTTWLEDQVMYDVLSTATSQE 60  
 Db 109 FPPPTVKILQSSCDGGHFPPTIQLCIVSYYTPGTINTTWLEDQVMYDVLSTATSQE 168  
 Qy 61 GELASTOSELTLSOKHNLSDRTTYTCVTTGHTFEDSTKKCADSNPRGVSYAISRPSPFD 120

Db 169 GELASTQSEITLSQKHWSRDTYTCQVITYQGHTFEDSTKKCADSNPRGVASYLRSRSPFD 228  
 Qy 121 LFIRKSPITICLVYDЛАSKGTNLTWSRASGKVNHSTRKEEKORNGLTVTSLPVGT 180  
 Db 229 LFIRKSPITICLVYDЛАSKGTNLTWSRASGKVNHSTRKEEKORNGLTVTSLPVGT 288  
 Qy 181 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAEPEYYAFAPEWPGSRDKTLACLIQ 240  
 Db 289 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAEPEYYAFAPEWPGSRDKTLACLIQ 348  
 Qy 241 NMPEDISVQWLHNEVQLPDRHSTTOPRKTKGSGFVFSRLETRAEWEQDEFICRAV 300  
 Db 349 NMPEDISVQWLHNEVQLPDRHSTTOPRKTKGSGFVFSRLETRAEWEQDEFICRAV 408  
 Qy 301 HEAASPSCQTORAVSYNPK 320  
 Db 409 HEAASPSCQTORAVSYNPK 428

## RESULT 15

US-09-847-208-7  
 Sequence 7, Application US/09847208  
 Publication No. US20030082190A1  
 GENERAL INFORMATION:  
 APPLICANT: Saxon, Andrew  
 APPLICANT: Zhang, Ke  
 APPLICANT: Zhu, Daocheng  
 TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF  
 TITLE OF INVENTION: IGE-MEDIATED ALLERGIC DISEASES  
 FILE REFERENCE: UC67\_002A  
 CURRENT APPLICATION NUMBER: US/09/847,208  
 CURRENT FILING DATE: 2001-05-01  
 NUMBER OF SEQ ID NOS: 177  
 SOFTWARE: Fast SEQ for Windows Version 4.0  
 SEQ ID NO 7  
 LENGTH: 569  
 TYPE: PRT  
 ORGANISM: Unknown  
 OTHER INFORMATION: Fusion between hinge-CH2-CH3 (IgG1) to CH2-CH3-CH4

US-09-847-208-7  
 OTHER INFORMATION: (IGE)  
 FEATURE:  
 OTHER INFORMATION: Fusion between hinge-CH2-CH3 (IgG1) to CH2-CH3-CH4

Query Match 100.0%; Score 1707; DB 10; Length 569;  
 Best Local Similarity 100.0%; Pred. No. 3.8e-19; Mismatches 0; Indels 0; Gaps 0;  
 Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 FPPPTVKILQSSCDGGHFFPTIQLCLVSGYFTGTTINTWLEDQMDVLDISTASITQE 60  
 Db 250 FPPPTVKILQSSCDGGHFFPTIQLCLVSGYFTGTTINTWLEDQMDVLDISTASITQE 309  
 Qy 61 GELASTQSEITLSQKHWSRDTYTCQVITYQGHTFEDSTKKCADSNPRGVASYLRSRSPFD 120  
 Db 310 GELASTQSEITLSQKHWSRDTYTCQVITYQGHTFEDSTKKCADSNPRGVASYLRSRSPFD 120  
 Qy 121 LFIRKSPITICLVYDЛАSKGTNLTWSRASGKVNHSTRKEEKORNGLTVTSLPVGT 180  
 Db 370 LFIRKSPITICLVYDЛАSKGTNLTWSRASGKVNHSTRKEEKORNGLTVTSLPVGT 429  
 Qy 181 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAEPEYYAFAPEWPGSRDKTLACLIQ 240  
 Db 430 RDWIEGETYQCRVTHPHLPALMRSTTKTSGPRAEPEYYAFAPEWPGSRDKTLACLIQ 489  
 Qy 241 NMPEDISVQWLHNEVQLPDRHSTTOPRKTKGSGFVFSRLETRAEWEQDEFICRAV 300  
 Db 490 NMPEDISVQWLHNEVQLPDRHSTTOPRKTKGSGFVFSRLETRAEWEQDEFICRAV 549  
 Qy 301 HEAASPSCQTORAVSYNPK 320  
 Db 550 HEAASPSCQTORAVSYNPK 569



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OM protein - protein search, using sw model

Run on: August 18, 2004, 00:59:09 ; Search time 25.0419 Seconds  
 (without alignments)

Scoring table: BLOSUM62  
 Gapop 10.0 , Gapext 0.5

Searched: 1292805 seqs, 313927144 residues

Total number of hits satisfying chosen parameters: 1292805

Minimum DB seq length: 0  
 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
 Maximum Match 100%  
 Listing first 45 summaries

Database : Published Applications\_AA:  
 1: /cg92\_6/ptodata/1/pubpaas/us07\_pubcomb.pep:  
 2: /cg92\_6/ptodata/1/pubpaas/pct\_us07\_pubcomb.pep:  
 3: /cg92\_6/ptodata/1/pubpaas/us06\_new\_pub\_comb.pep:  
 4: /cg92\_6/ptodata/1/pubpaas/us06\_pubcomb.pep:  
 5: /cg92\_6/ptodata/1/pubpaas/us06\_pubcomb.pep:  
 6: /cg92\_6/ptodata/1/pubpaas/pctus\_pubcomb.pep:  
 7: /cg92\_6/ptodata/1/pubpaas/us08\_new\_pub\_comb.pep:  
 8: /cg92\_6/ptodata/1/pubpaas/us08\_pubcomb.pep:  
 9: /cg92\_6/ptodata/1/pubpaas/us09\_pubcomb.pep:  
 10: /cn2\_6/ptodata/1/pubpaas/us09b\_pubcomb.pep:  
 11: /cn2\_6/ptodata/1/pubpaas/us09c\_pubcomb.pep:  
 12: /cn2\_6/ptodata/1/pubpaas/us09\_new\_pub\_pep:  
 13: /cn2\_6/ptodata/1/pubpaas/us10\_pubcomb.pep:  
 14: /cn2\_6/ptodata/1/pubpaas/us10c\_pubcomb.pep:  
 15: /cn2\_6/ptodata/1/pubpaas/us10c\_pubcomb.pep:  
 16: /cn2\_6/ptodata/1/pubpaas/us10c\_pubcomb.pep:  
 17: /cn2\_6/ptodata/1/pubpaas/us60\_new\_pub\_pep:  
 18: /cn2\_6/ptodata/1/pubpaas/us60\_pubcomb.pep:  
 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

RESULTS

Result No.	Score	Query Match	Length	DB ID	Description
1	1260	100.0	232	10	US-09-847-208-3
2	1260	100.0	232	12	US-10-000-439-3
3	1260	100.0	330	10	US-09-847-208-2
4	1260	100.0	330	12	US-10-000-439-2
5	1260	100.0	569	10	US-09-847-208-7
6	1260	100.0	569	12	US-10-000-439-7
7	1225	97.2	232	9	US-09-996-057-10
8	1225	97.2	232	10	US-09-389-782-1
9	1225	97.2	232	16	US-10-617-619-7
10	1225	97.2	235	14	US-10-207-655-08
11	1225	97.2	247	9	US-09-996-057-13
12	1225	97.2	251	14	US-10-152-363A-6
13	1225	97.2	251	14	US-10-152-363A-6
14	1225	97.2	267	9	US-09-996-057-12
15	1225	97.2	288	10	US-09-822-851B-14

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1260	100.0	232	10	Sequence 14, App1
2	1260	100.0	232	12	Sequence 15, App1
3	1260	100.0	330	10	Sequence 15, App1
4	1260	100.0	330	12	Sequence 15, App1
5	1260	100.0	330	12	Sequence 6, App1
6	1260	100.0	330	14	Sequence 20, App1
7	1225	97.2	330	14	Sequence 6, App1
8	1225	97.2	330	14	Sequence 1, App1
9	1225	97.2	330	14	Sequence 2, App1
10	1225	97.2	330	16	Sequence 2, App1
11	1225	97.2	330	16	Sequence 2, App1
12	1225	97.2	330	16	Sequence 2, App1
13	1225	97.2	330	16	Sequence 2, App1
14	1225	97.2	330	16	Sequence 2, App1
15	1225	97.2	330	16	Sequence 2, App1

ALIGNMENTS

Result No.	Score	Query Match	Length	DB ID	Description
1	1260	100.0%	232	10	Sequence 14, App1
2	1260	100.0%	232	12	Sequence 15, App1
3	1260	100.0%	330	10	Sequence 15, App1
4	1260	100.0%	330	12	Sequence 15, App1
5	1260	100.0%	330	12	Sequence 6, App1
6	1260	100.0%	330	14	Sequence 20, App1
7	1225	97.2	330	14	Sequence 6, App1
8	1225	97.2	330	14	Sequence 1, App1
9	1225	97.2	330	14	Sequence 2, App1
10	1225	97.2	330	16	Sequence 2, App1
11	1225	97.2	330	16	Sequence 2, App1
12	1225	97.2	330	16	Sequence 2, App1
13	1225	97.2	330	16	Sequence 2, App1
14	1225	97.2	330	16	Sequence 2, App1
15	1225	97.2	330	16	Sequence 2, App1

RESULTS

Result No.	Score	Query Match	Length	DB ID	Description
1	1260	100.0%	232	10	Sequence 14, App1
2	1260	100.0%	232	12	Sequence 15, App1
3	1260	100.0%	330	10	Sequence 15, App1
4	1260	100.0%	330	12	Sequence 15, App1
5	1260	100.0%	330	12	Sequence 6, App1
6	1260	100.0%	330	14	Sequence 20, App1
7	1225	97.2	330	14	Sequence 6, App1
8	1225	97.2	330	14	Sequence 1, App1
9	1225	97.2	330	14	Sequence 2, App1
10	1225	97.2	330	16	Sequence 2, App1
11	1225	97.2	330	16	Sequence 2, App1
12	1225	97.2	330	16	Sequence 2, App1
13	1225	97.2	330	16	Sequence 2, App1
14	1225	97.2	330	16	Sequence 2, App1
15	1225	97.2	330	16	Sequence 2, App1

RESULTS

Result No.	Score	Query Match	Length	DB ID	Description
1	1260	100.0%	232	10	Sequence 14, App1
2	1260	100.0%	232	12	Sequence 15, App1
3	1260	100.0%	330	10	Sequence 15, App1
4	1260	100.0%	330	12	Sequence 15, App1
5	1260	100.0%	330	12	Sequence 6, App1
6	1260	100.0%	330	14	Sequence 20, App1
7	1225	97.2	330	14	Sequence 6, App1
8	1225	97.2	330	14	Sequence 1, App1
9	1225	97.2	330	14	Sequence 2, App1
10	1225	97.2	330	16	Sequence 2, App1
11	1225	97.2	330	16	Sequence 2, App1
12	1225	97.2	330	16	Sequence 2, App1
13	1225	97.2	330	16	Sequence 2, App1
14	1225	97.2	330	16	Sequence 2, App1
15	1225	97.2	330	16	Sequence 2, App1

RESULTS

Result No.	Score	Query Match	Length	DB ID	Description
1	1260	100.0%	232	10	Sequence 14, App1
2	1260	100.0%	232	12	Sequence 15, App1
3	1260	100.0%	330	10	Sequence 15, App1
4	1260	100.0%	330	12	Sequence 15, App1
5	1260	100.0%	330	12	Sequence 6, App1
6	1260	100.0%	330	14	Sequence 20, App1
7	1225	97.2	330	14	Sequence 6, App1
8	1225	97.2	330	14	Sequence 1, App1
9	1225	97.2	330	14	Sequence 2, App1
10	1225	97.2	330	16	Sequence 2, App1
11	1225	97.2	330	16	Sequence 2, App1
12	1225	97.2	330	16	Sequence 2, App1
13	1225	97.2	330	16	Sequence 2, App1
14	1225	97.2	330	16	Sequence 2, App1
15	1225	97.2	330	16	Sequence 2, App1

RESULTS

Result No.	Score	Query Match	Length	DB ID	Description
1	1260	100.0%	232	10	Sequence 14, App1
2	1260	100.0%	232	12	Sequence 15, App1
3	1260	100.0%	330	10	Sequence 15, App1
4	1260	100.0%	330	12	Sequence 15, App1
5	1260	100.0%	330	12	Sequence 6, App1
6	1260	100.0%	330	14	Sequence 20, App1
7	1225	97.2	330	14	Sequence 6, App1
8	1225	97.2	330	14	Sequence 1, App1
9	1225	97.2	330	14	Sequence 2, App1
10	1225	97.2	330	16	Sequence 2, App1
11	1225	97.2	330	16	Sequence 2, App1
12	1225	97.2	330	16	Sequence 2, App1
13	1225	97.2	330	16	Sequence 2, App1
14	1225	97.2	330	16	Sequence 2, App1
15	1225	97.2	330	16	Sequence 2, App1

RESULTS

Result No.	Score	Query Match	Length	DB ID	Description
1	1260	100.0%	232	10	Sequence 14, App1
2	1260	100.0%	232	12	Sequence 15, App1
3	1260	100.0%	330	10	Sequence 15, App1
4	1260	100.0%	330	12	Sequence 15, App1
5	1260	100.0%	330	12	Sequence 6, App1
6	1260	100.0%	330	14	Sequence 20, App1
7	1225	97.2	330	14	Sequence 6, App1
8	1225	97.2	330	14	Sequence 1, App1
9	1225	97.2	330	14	Sequence 2, App1
10	1225	97.2	330	16	Sequence 2, App1
11	1225	97.2	330	16	Sequence 2, App1
12	1225	97.2	330	16	Sequence 2, App1
13	1225	97.2	330	16	Sequence 2, App1
14	1225	97.2	330	16	Sequence 2, App1
15	1225	97.2	330	16	Sequence 2, App1

RESULTS

Result No.	Score	Query Match	Length	DB ID	Description
1	1260	100.0%	232	10	Sequence 14, App1
2	1260	100.0%	232	12	Sequence 15, App1
3	1260	100.0%	330	10	Sequence 15, App1
4	1260	100.0%	330	12	Sequence 15, App1
5	1260	100.0%	330	12	Sequence 6, App1
6	1260	100.0%	330	14	Sequence 20, App1
7	1225	97.2	330	14	Sequence 6, App1
8	1225	97.2	330	14	Sequence 1, App1
9	1225	97.2	330	14	Sequence 2, App1
10	1225	97.2	330	16	Sequence 2, App1
11	1225	97.2	330	16	Sequence 2, App1
12	1225	97.2	330	16	Sequence 2, App1
13	1225	97.2	330	16	Sequence 2, App1
14	1225	97.2	330	16	Sequence 2, App1
15	1225	97.2	330	16	Sequence 2, App1

RESULTS

Result No.	Score	Query Match	Length	DB ID	Description
1	1260	100.0%	232	10	Sequence 14, App1
2	1260	100.0%	232	12	Sequence 15, App1
3	1260	100.0%	330	10	Sequence 15, App1
4	1260	100.0%	330	12	Sequence 15, App1
5	1260	100.0%	330	12	Sequence 6, App1
6	1260	100.0%	330	14	Sequence 20, App1
7	1225	97.2	330	14	Sequence 6, App1
8	1225	97.2	330	14	Sequence 1, App1
9	1225	97.2	330	14	Sequence 2, App1
10	1225	97.2	330	16	Sequence 2, App1
11	1225	97.2	330	16	Sequence 2, App1
12	1225	97.2	330	16	Sequence 2, App1
13	1225	97.2	330	16	Sequence 2, App1
14	1225	97.2	330	16	Sequence 2, App1
15	1225	97.2	330	16	Sequence 2, App1

RESULTS

Result No.	Score	Query Match	Length	DB ID	Description
1	1260	100.0%	232	10	Sequence 14, App1
2	1260	100.0%	232	12	Sequence 15, App1
3	1260	100.0%	330	10	Sequence 15, App1
4	1260	100.0%	330	12	Sequence 15, App1
5	1260	100.0%	330	12	Sequence 6, App1
6	1260	100.0%	330	14	Sequence 20, App1
7	1225	97.2	330	14	Sequence 6, App1
8	1225	97.2	330	14	Sequence 1, App1
9	1225	97.2	330	14	Sequence 2, App1
10	1225	97.2	330	16	Sequence 2, App1
11	1225	97.2	330	16	Sequence 2, App1
12	1225	97.2	330	16	Sequence 2, App1
13	1225	97.2	330	16	Sequence 2, App1
14	1225	97.2	330	16	Sequence 2, App1
15	1225	97.2	330	16	Sequence 2, App1

RESULTS

Result No.	Score	Query Match	Length	DB ID	Description
1	1260	100.0%	232	10	Sequence 14, App1
2	1260	100.0%	232	12	Sequence 15, App1
3	1260	100.0%	330	10	Sequence 15, App1
4	1260	100.0%	330	12	Sequence 15, App1
5	1260	100.0%	330	12	Sequence 6, App1
6	1260	100.0%	330	14	Sequence 20, App1
7	1225	97.2	330	14	Sequence 6, App1
8	1225	97.2			

RESULT 2

Db 181 PVLDVGSSFFLPSKLTVDKSRMQQGNYFSCSYMEHALHNHQYQRSLSLSPKF 232

US-10-000-439-3

; Sequence 3, Application US/10000439

; Publication No. US20030064063A1

; GENERAL INFORMATION:

; APPLICANT: Saxon, Andrew

; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR

; TITLE OF INVENTION: TREATMENT OF IMMUNE DISEASES

; FILE REFERENCE: UCO67.004A

; CURRENT APPLICATION NUMBER: US/10/000,439

; CURRENT FILING DATE: 2001-10-24

; PRIOR APPLICATION NUMBER: US 09/847,208

; PRIOR FILING DATE: 2001-05-01

; NUMBER OF SEQ ID NOS: 13

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 3

; LENGTH: 232

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-000-439-3

Query Match 100.0%; Score 1260; DB 12; Length 232;

Best Local Similarity 100.0%; Pred. No. 1.2e-99;

Matches 232; Conservative 0; Mismatches 0; Indels 0;

Db 1 EPKSCDKTHTCPPCPAPLLGGPSVFLPPPKDPLMISRPETCVVVVDYSHEDPEVKF 60

1 EPKSCDKTHTCPPCPAPLLGGPSVFLPPPKDPLMISRPETCVVVVDYSHEDPEVKF 60

Db 1 EPKSCDKTHTCPPCPAPLLGGPSVFLPPPKDPLMISRPETCVVVVDYSHEDPEVKF 60

Db 61 NWYTDGVYEVHNVTKTKEPREQNSTYRVSITVVLHQNWVNGKEYCKVSNKALPAPIKT 120

Db 61 NWYTDGVYEVHNVTKTKEPREQNSTYRVSITVVLHQNWVNGKEYCKVSNKALPAPIKT 120

Qy 121 ISKAKVQREPOVYTLPSSRDLTKNQSLTCLVKGFPSSDIAWESNGOPENNYKTP 180

Db 121 ISKAKVQREPOVYTLPSSRDLTKNQSLTCLVKGFPSSDIAWESNGOPENNYKTP 180

Qy 181 PVLDVGSSFFLPSKLTVDKSRMQQGNYFSCSYMEHALHNHQYQRSLSLSPKF 232

Db 181 PVLDVGSSFFLPSKLTVDKSRMQQGNYFSCSYMEHALHNHQYQRSLSLSPKF 232

RESULT 3

US-09-847-208-2

; Sequence 2, Application US/09847208

; Publication No. US20030062190A1

; GENERAL INFORMATION:

; APPLICANT: Saxon, Andrew

; APPLICANT: Zhang, Ke

; APPLICANT: Zhu, Daocheng

; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF

; TITLE OF INVENTION: IGE-MEDIATED ALLERGIC DISEASES

; FILE REFERENCE: UCE7.002A

; CURRENT APPLICATION NUMBER: US/09/847,208

; CURRENT FILING DATE: 2001-05-01

; NUMBER OF SEQ ID NOS: 177

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 2

; LENGTH: 330

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-847-208-2

Query Match 100.0%; Score 1260; DB 10; Length 330;

Best Local Similarity 100.0%; Pred. No. 1.8e-99;

Matches 232; Conservative 0; Mismatches 0; Indels 0;

Db 1 EPKSCDKTHTCPPCPAPLLGGPSVFLPPPKDPLMISRPETCVVVVDYSHEDPEVKF 60

Qy 61 NWYTDGVYEVHNVTKTKEPREQNSTYRVSITVVLHQNWVNGKEYCKVSNKALPAPIKT 120

Db 61 NWYTDGVYEVHNVTKTKEPREQNSTYRVSITVVLHQNWVNGKEYCKVSNKALPAPIKT 120

Qy 121 ISKAKVQREPOVYTLPSSRDLTKNQSLTCLVKGFPSSDIAWESNGOPENNYKTP 180

Db 121 ISKAKVQREPOVYTLPSSRDLTKNQSLTCLVKGFPSSDIAWESNGOPENNYKTP 180

Qy 181 PVLDVGSSFFLPSKLTVDKSRMQQGNYFSCSYMEHALHNHQYQRSLSLSPKF 232

Db 181 PVLDVGSSFFLPSKLTVDKSRMQQGNYFSCSYMEHALHNHQYQRSLSLSPKF 232

RESULT 4

US-10-000-439-2

; Sequence 2, Application US/10000439

; Publication No. US20030064063A1

; GENERAL INFORMATION:

; APPLICANT: Saxon, Andrew

; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR

; TITLE OF INVENTION: TREATMENT OF IMMUNE DISEASES

; FILE REFERENCE: UCO67.004A

; CURRENT APPLICATION NUMBER: US/10/000,439

; CURRENT FILING DATE: 2001-10-24

; PRIOR APPLICATION NUMBER: US 09/847,208

; PRIOR FILING DATE: 2001-05-01

; NUMBER OF SEQ ID NOS: 13

; SOFTWARE: FastSEQ For Windows Version 4.0

; SEQ ID NO 2

; LENGTH: 330

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-000-439-2

Query Match 100.0%; Score 1260; DB 12; Length 330;

Best Local Similarity 100.0%; Pred. No. 1.8e-99;

Matches 232; Conservative 0; Mismatches 0; Indels 0;

Db 99 EPKSCDKTHTCPPCPAPLLGGPSVFLPPPKDPLMISRPETCVVVVDYSHEDPEVKF 60

Db 99 EPKSCDKTHTCPPCPAPLLGGPSVFLPPPKDPLMISRPETCVVVVDYSHEDPEVKF 60

Db 61 NWYTDGVYEVHNVTKTKEPREQNSTYRVSITVVLHQNWVNGKEYCKVSNKALPAPIKT 120

Db 61 NWYTDGVYEVHNVTKTKEPREQNSTYRVSITVVLHQNWVNGKEYCKVSNKALPAPIKT 120

Qy 121 ISKAKVQREPOVYTLPSSRDLTKNQSLTCLVKGFPSSDIAWESNGOPENNYKTP 180

Db 121 ISKAKVQREPOVYTLPSSRDLTKNQSLTCLVKGFPSSDIAWESNGOPENNYKTP 180

Qy 181 PVLDVGSSFFLPSKLTVDKSRMQQGNYFSCSYMEHALHNHQYQRSLSLSPKF 232

Db 181 PVLDVGSSFFLPSKLTVDKSRMQQGNYFSCSYMEHALHNHQYQRSLSLSPKF 232

RESULT 5

US-09-847-208-7

; Sequence 7, Application US/09847208

; Publication No. US20030062190A1

; GENERAL INFORMATION:

; APPLICANT: Zhang, Ke

; APPLICANT: Zhu, Daocheng

; TITLE OF INVENTION: FUSION MOLECULES AND TREATMENT OF

; TITLE OF INVENTION: IgE-MEDIATED ALLERGIC DISEASES

; FILE REFERENCE: UCC7.002A

; CURRENT APPLICATION NUMBER: US/09/847,208

; CURRENT FILING DATE: 2001-05-01

; NUMBER OF SEQ ID NOS: 177

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 7

; LENGTH: 330

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-847-208-7

Query Match 100.0%; Score 1260; DB 10; Length 330;

Best Local Similarity 100.0%; Pred. No. 1.8e-99;

Matches 232; Conservative 0; Mismatches 0; Indels 0;

Db 1 EPKSCDKTHTCPPCPAPLLGGPSVFLPPPKDPLMISRPETCVVVVDYSHEDPEVKF 60

Qy 61 NWYTDGVYEVHNVTKTKEPREQNSTYRVSITVVLHQNWVNGKEYCKVSNKALPAPIKT 120

Db 61 NWYTDGVYEVHNVTKTKEPREQNSTYRVSITVVLHQNWVNGKEYCKVSNKALPAPIKT 120

Qy 121 ISKAKVQREPOVYTLPSSRDLTKNQSLTCLVKGFPSSDIAWESNGOPENNYKTP 180

Db 121 ISKAKVQREPOVYTLPSSRDLTKNQSLTCLVKGFPSSDIAWESNGOPENNYKTP 180

Qy 181 PVLDVGSSFFLPSKLTVDKSRMQQGNYFSCSYMEHALHNHQYQRSLSLSPKF 232

Db 181 PVLDVGSSFFLPSKLTVDKSRMQQGNYFSCSYMEHALHNHQYQRSLSLSPKF 232

LENGTH: 569  
; TYPE: PRT ; ORGANISM: Unknown  
; FEATURE: OTHER INFORMATION: Fusion between hinge-CH2-CH3 (IgG1) to CH2-CH3 - CH4  
US-09-847-208-7

Query Match 100.0%; Score 1260; DB 10; Length 569;  
Best Local Similarity 100.0%; Pred. No. 3 .6e-99; Mismatches 0; Indels 0; Gaps 0;  
Matches 232; Conservative 0; Gaps 0;

Qy 1 EPKSCDKTHCPPCPAPELLGGPSVFLPPKPKDLMISRPEVTCVVVDVSHEDPEVKF 60  
Db 1 EPKSCDKTHCPPCPAPELLGGPSVFLPPKPKDLMISRPEVTCVVVDVSHEDPEVKF 60

Qy 61 NWYDGVEVHNVKTKPREEQYNSTYRVSVLTVLHQNMNGKEYKCKVSKNALPAPIEKT 120  
Db 61 NWYDGVEVHNVKTKPREEQYNSTYRVSVLTVLHQNMNGKEYKCKVSKNALPAPIEKT 120

Qy 121 ISKAKVQPREPQQVTLPSSRDELTKNOVSITCLVKGFYPSDIAVEWESNGOPENNYKTP 180  
Db 121 ISKAKVQPREPQQVTLPSSRDELTKNOVSITCLVKGFYPSDIAVEWESNGOPENNYKTP 180

Qy 181 PVLDVGSGSPFLYSKLTVDKSRWQGNVFSQSMHEALHNHYQORSLISLSPGK 232  
Db 181 PVLDVGSGSPFLYSKLTVDKSRWQGNVFSQSMHEALHNHYQORSLISLSPGK 232

RESULT 7  
US-09-996-357-10

; Sequence 10, Application US/09996357  
; Patent No. US20020133001A1  
; GENERAL INFORMATION:  
; APPLICANT: Gefter, Malcolm L.  
; INVENTOR: Gefter, Malcolm L.  
; APPLICANT: Israel, David I.  
; INVENTOR: Israel, David I.  
; APPLICANT: Joyal, John L.  
; INVENTOR: Joyal, John L.  
; TITLE OF INVENTION: THERAPEUTIC AGENTS AND METHODS OF USE THEREOF FOR AN AUTOIMMUNE DISEASE  
; CURRENT APPLICATION NUMBER: US/09/996,357  
; CURRENT FILING DATE: 2001-11-27  
; PRIOR APPLICATION NUMBER: 60/253,302  
; PRIOR FILING DATE: 2000-11-27  
; PRIOR APPLICATION NUMBER: 60/250,198  
; PRIOR FILING DATE: 2000-11-29  
; PRIOR APPLICATION NUMBER: 60/257,186  
; PRIOR FILING DATE: 2000-12-20  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO: 10  
; LENGTH: 232  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-996-357-10

Query Match 97.2%; Score 1225; DB 9; Length 232;  
Best Local Similarity 97.0%; Pred. No. 1.1e-96; Matches 225; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EPKSCDKTHCPPCPAPELLGGPSVFLPPKPKDLMISRPEVTCVVVDVSHEDPEVKF 60  
Db 1 EPKSCDKTHCPPCPAPELLGGPSVFLPPKPKDLMISRPEVTCVVVDVSHEDPEVKF 60

Qy 61 NWYDGVEVHNVKTKPREEQYNSTYRVSVLTVLHQNMNGKEYKCKVSKNALPAPIEKT 120  
Db 61 NWYDGVEVHNVKTKPREEQYNSTYRVSVLTVLHQNMNGKEYKCKVSKNALPAPIEKT 120

Qy 121 ISKAKVQPREPQQVTLPSSRDELTKNOVSITCLVKGFYPSDIAVEWESNGOPENNYKTP 180  
Db 121 ISKAKVQPREPQQVTLPSSRDELTKNOVSITCLVKGFYPSDIAVEWESNGOPENNYKTP 180

Qy 181 PVLDVGSGSPFLYSKLTVDKSRWQGNVFSQSMHEALHNHYQORSLISLSPGK 232  
Db 181 PVLDVGSGSPFLYSKLTVDKSRWQGNVFSQSMHEALHNHYQORSLISLSPGK 232

RESULT 6  
US-10-000-439-7

; Sequence 7, Application US/10000439  
; Publication No. US20030064063A1  
; GENERAL INFORMATION:  
; APPLICANT: Saxon, Andrew  
; INVENTOR: Saxon, Andrew  
; TITLE OF INVENTION: FUSION MOLECULES AND METHODS FOR TREATMENT OF IMMUNE DISEASES  
; FILE REFERENCE: UCO67.00A  
; CURRENT FILING DATE: 2001-10-04  
; PRIOR APPLICATION NUMBER: US 10/000,439  
; PRIOR FILING DATE: 2001-05-01  
; NUMBER OF SEQ ID NOS: 13  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO: 7  
; LENGTH: 569  
; TYPE: PRT  
; FEATURE: OTHER INFORMATION: Fusion polypeptide comprising a hinge-CH2-CH3 sequence and a CH2-CH3 - CH4 (IgE) sequence  
US-10-000-439-7

Query Match 100.0%; Score 1260; DB 12; Length 569;  
Best Local Similarity 100.0%; Pred. No. 3 .6e-99; Mismatches 0; Indels 0; Gaps 0;  
Matches 232; Conservative 0; Gaps 0;

Qy 1 EPKSCDKTHCPPCPAPELLGGPSVFLPPKPKDLMISRPEVTCVVVDVSHEDPEVKF 60  
Db 1 EPKSCDKTHCPPCPAPELLGGPSVFLPPKPKDLMISRPEVTCVVVDVSHEDPEVKF 60

Qy 61 NWYDGVEVHNVKTKPREEQYNSTYRVSVLTVLHQNMNGKEYKCKVSKNALPAPIEKT 120  
Db 61 NWYDGVEVHNVKTKPREEQYNSTYRVSVLTVLHQNMNGKEYKCKVSKNALPAPIEKT 120

Qy 121 ISKAKVQPREPQQVTLPSSRDELTKNOVSITCLVKGFYPSDIAVEWESNGOPENNYKTP 180  
Db 121 ISKAKVQPREPQQVTLPSSRDELTKNOVSITCLVKGFYPSDIAVEWESNGOPENNYKTP 180

Qy 181 PVLDVGSGSPFLYSKLTVDKSRWQGNVFSQSMHEALHNHYQORSLISLSPGK 232  
Db 181 PVLDVGSGSPFLYSKLTVDKSRWQGNVFSQSMHEALHNHYQORSLISLSPGK 232

RESULT 8  
US-09-389-782-1

; Sequence 1, Application US/09389782  
; Publication No. US20030144167A1  
; GENERAL INFORMATION:  
; APPLICANT: Wooden, Scott K.  
; INVENTOR: Wooden, Scott K.  
; APPLICANT: Mann, Michael B.  
; INVENTOR: Mann, Michael B.  
; APPLICANT: Dunstan, Colin R.  
; INVENTOR: Dunstan, Colin R.  
; TITLE OF INVENTION: OPG Fusion Protein Compositions and Methods  
; CURRENT FILING DATE: 1999-09-03  
; NUMBER OF SEQ ID NOS: 50  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO: 1  
; LENGTH: 232  
; TYPE: PRT  
; ORGANISM: Human  
; US-09-389-782-1

Query Match 97.2%; Score 1225; DB 10; Length 232;  
Best Local Similarity 97.0%; Pred. No. 1.1e-96; Matches 225; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

RESULT 9  
US-10-617-619-7  
Sequence 7, Application US/1061761.9  
Publication No. US20040110929A1  
GENERAL INFORMATION:  
APPLICANT: Bjorn, Soren E  
APPLICANT: Nicolaisen, Else M  
APPLICANT: Jorgensen, Anker S  
TITLE OF INVENTION: T/F Binding Compound  
FILE REFERENCE: 645-200-US  
CURRENT APPLICATION NUMBER: US/10/617,619  
CURRENT FILING DATE: 2003-07-11  
PRIOR APPLICATION NUMBER: Danish Application No. PA 2002 01099  
PRIOR FILING DATE: 2002-07-12  
PRIOR APPLICATION NUMBER: US 60/404,568  
PRIOR FILING DATE: 2002-08-19  
NUMBER OF SEQ ID NOS: 13  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO 7  
LENGTH: 232  
TYPE: PRT  
ORGANISM: Human  
US-10-617-619-7

Query Match 97.2%; Score 1225; DB 16; Length 232;  
Best Local Similarity 97.0%; Pred. No. 1.e-96;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Query Match 97.2%; Score 1225; DB 14; Length 235;  
Best Local Similarity 97.0%; Pred. No. 1.2e-56;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;  
OTHER INFORMATION: Fusion polypeptide  
US-10-207-655-208

Qy 1 EPKSCDKTHTCPPCPAPELLGGPSVLFPPPKDFTLMSRPEVTCVYDDEDPEVKF 60  
Dy 1 EPKSCDKTHTCPPCPAPELLGGPSVLFPPPKDFTLMSRPEVTCVYDDEDPEVKF 60  
Qy 61 NWYDGVEVHNVTKTPREEQNSTYRVSVTILHQNWNNGKEYCKVSNKALPPIEKT 120  
Dy 61 NWYDGVEVHNVTKTPREEQNSTYRVSVTILHQNWNNGKEYCKVSNKALPPIEKT 120  
Db 121 ISKAKVQPREPVYTLPSSRDLTKNOVSLSLCLVKGFYPSDIAWESNCOPENNYKTPP 180  
Db 121 ISKAKGQPREPVYTLPSSRDLTKNOVSLSLCLVKGFYPSDIAWESNCOPENNYKTPP 180  
Qy 181 PYLDVGSSFFFLYSLKLTVDKSRMKGQGVFSCSYMHEALTHNHTQKSLSSLSPCK 232  
Db 181 PYLDSDGSFFFLYSLKLTVDKSRMKGQGVFSCSYMHEALTHNHTQKSLSSLSPCK 232

RESULT 10  
US-09-96-357-13  
Sequence 13, Application US/09996357  
Patient No. US2003013001A1  
GENERAL INFORMATION:  
APPLICANT: Geiter, Malcolm L  
APPLICANT: Israel, David I  
APPLICANT: Joyal, John L  
APPLICANT: Gosselin, Michael I  
TITLE OF INVENTION: THERAPEUTIC AGENTS AND METHODS OF USE THEREOF FOR  
TREATING AN AMYLOIDGENIC DISEASE  
CURENT APPLICATION NUMBER: US/09/996,357  
CURENT FILING DATE: 2001-11-27  
PRIOR APPLICATION NUMBER: 60/253,302  
PRIOR FILING DATE: 2000-11-27  
PRIOR APPLICATION NUMBER: 60/250,198  
PRIOR FILING DATE: 2000-11-29  
PRIOR APPLICATION NUMBER: 60/257,186  
PRIOR FILING DATE: 2000-12-20  
NUMBER OF SEQ ID NOS: 13  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 13  
LENGTH: 247  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-96-357-13

Query Match 97.2%; Score 1225; DB 9; Length 247;  
Best Local Similarity 97.0%; Pred. No. 1.2e-56;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSCDKTHTCPPCPAPELLGGPSVLFPPPKDFTLMSRPEVTCVYDDEDPEVKF 60  
Dy 1 EPKSCDKTHTCPPCPAPELLGGPSVLFPPPKDFTLMSRPEVTCVYDDEDPEVKF 75  
Qy 61 NWYDGVEVHNVTKTPREEQNSTYRVSVTILHQNWNNGKEYCKVSNKALPPIEKT 120  
Dy 76 NWYDGVEVHNVTKTPREEQNSTYRVSVTILHQNWNNGKEYCKVSNKALPPIEKT 135  
Db 121 ISKAKVQPREPVYTLPSSRDLTKNOVSLSLCLVKGFYPSDIAWESNCOPENNYKTPP 180

RESULT 11  
US-09-96-357-13  
Sequence 13, Application US/09996357  
Patient No. US2003013001A1  
GENERAL INFORMATION:  
APPLICANT: Geiter, Malcolm L  
APPLICANT: Israel, David I  
APPLICANT: Joyal, John L  
APPLICANT: Gosselin, Michael I  
TITLE OF INVENTION: THERAPEUTIC AGENTS AND METHODS OF USE THEREOF FOR  
TREATING AN AMYLOIDGENIC DISEASE  
CURENT APPLICATION NUMBER: US/09/996,357  
CURENT FILING DATE: 2001-11-27  
PRIOR APPLICATION NUMBER: 60/253,302  
PRIOR FILING DATE: 2000-11-27  
PRIOR APPLICATION NUMBER: 60/250,198  
PRIOR FILING DATE: 2000-11-29  
PRIOR APPLICATION NUMBER: 60/257,186  
PRIOR FILING DATE: 2000-12-20  
NUMBER OF SEQ ID NOS: 13  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 13  
LENGTH: 247  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-96-357-13

Query Match 97.2%; Score 1225; DB 9; Length 247;  
Best Local Similarity 97.0%; Pred. No. 1.2e-56;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSCDKTHTCPPCPAPELLGGPSVLFPPPKDFTLMSRPEVTCVYDDEDPEVKF 60  
Dy 1 EPKSCDKTHTCPPCPAPELLGGPSVLFPPPKDFTLMSRPEVTCVYDDEDPEVKF 75  
Qy 61 NWYDGVEVHNVTKTPREEQNSTYRVSVTILHQNWNNGKEYCKVSNKALPPIEKT 120  
Dy 76 NWYDGVEVHNVTKTPREEQNSTYRVSVTILHQNWNNGKEYCKVSNKALPPIEKT 135  
Db 121 ISKAKVQPREPVYTLPSSRDLTKNOVSLSLCLVKGFYPSDIAWESNCOPENNYKTPP 180

RESULT 13  
 US-10-152-363A-6  
 ; Sequence 6, Application US 10152363A  
 ; Publication No. US20030103986A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Gross, Jane A.  
 ; APPLICANT: Rixon, Mark W.  
 ; TITLE OF INVENTION: TACI-Immunglobulin Fusion Proteins  
 ; FILE REFERENCE: 01-20  
 ; CURRENT APPLICATION NUMBER: US 10/152,363A  
 ; NUMBER OF SEQ ID NOS: 70  
 ; SOFTWARE: FastSEQ for Windows Version 3.0  
 ; SEQ ID NO: 152  
 ; LENGTH: 251  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-008-063-18

Query Match 97.2%; Score 1225; DB 14; Length 251;  
 Best Local Similarity 97.0%; Pred. No. 1.3e-96;  
 Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSCDKTHTCPPCPAPELLGGPSVLFPPPKPDTLMSRTPETCVVVDVSHEDEPVKF 60  
 Db 20 EPKSCDKTHTCPPCPAPELLGGPSVLFPPPKPDTLMSRTPETCVVVDVSHEDEPVKF 79

Qy 61 NWYDGVENHVKTKPREEQYNTSYRVSVLTLHOMMNGKEYKCKVSNKALPAPIKT 120  
 Db 80 NWYDGVENHVKTKPREEQYNTSYRVSVLTLHOMMNGKEYKCKVSNKALPAPIKT 139

Qy 121 ISAKAVPREPOVYTLPSPSRDELTKQVSLLTCLVKGEFYPDSIAVEWSNGOPENNYKTP 180  
 Db 140 ISAKAQPREPOVYTLPSPSRDELTKQVSLLTCLVKGEFYPDSIAVEWSNGOPENNYKTP 199

Qy 181 PVLDVGSSFFLYSKLTVDKSRWQQNVSFSSVMHEALHNHYTQSKLSLSPGK 232  
 Db 200 PVLDVGSSFFLYSKLTVDKSRWQQNVSFSSVMHEALHNHYTQSKLSLSPGK 251

RESULT 14  
 US-09-996-357-12  
 ; Sequence 12, Application US 0996357  
 ; Patent No. US20020233001A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Geftir, Malcolm L  
 ; APPLICANT: Israel, David I  
 ; APPLICANT: Joyal, John L  
 ; APPLICANT: Gosselin, Michael  
 ; TITLE OF INVENTION: THERAPEUTIC AGENTS AND METHODS OF USE THEREOF FOR  
 ; TREATING AN AMYLOIDODGENIC DISEASE  
 ; FILE REFERENCE: PPI-105  
 ; CURRENT APPLICATION NUMBER: US/09/996,357  
 ; PRIOR APPLICATION NUMBER: 2001-11-27  
 ; CURRENT FILING DATE: 2001-11-27  
 ; PRIOR FILING DATE: 2000-11-27  
 ; PRIOR APPLICATION NUMBER: 60/253,302  
 ; PRIOR FILING DATE: 2000-11-29  
 ; PRIOR APPLICATION NUMBER: 60/250,198  
 ; PRIOR FILING DATE: 2000-11-29  
 ; PRIOR APPLICATION NUMBER: 60/257,186  
 ; PRIOR FILING DATE: 2000-12-20  
 ; NUMBER OF SEQ ID NOS: 13  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO: 12  
 ; LENGTH: 267  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence:alpha-beta(16-30)FC

Query Match 97.2%; Score 1225; DB 9; Length 267;  
 Best Local Similarity 97.0%; Pred. No. 1.4e-96;  
 Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSCDKTHTCPPCPAPELLGGPSVLFPPPKPDTLMSRTPETCVVVDVSHEDEPVKF 60  
 Db 36 EPKSCDKTHTCPPCPAPELLGGPSVLFPPPKPDTLMSRTPETCVVVDVSHEDEPVKF 95

Qy 61 NWYDGVENHVKTKPREEQYNTSYRVSVLTLHOMMNGKEYKCKVSNKALPAPIKT 120  
 Db 96 NWYDGVENHVKTKPREEQYNTSYRVSVLTLHOMMNGKEYKCKVSNKALPAPIKT 155

Qy 121 ISAKAVPREPOVYTLPSPSRDELTKQVSLLTCLVKGEFYPDSIAVEWSNGOPENNYKTP 180  
 Db 156 ISAKAQPREPOVYTLPSPSRDELTKQVSLLTCLVKGEFYPDSIAVEWSNGOPENNYKTP 215

Qy 181 PVLDVGSSFFLYSKLTVDKSRWQQNVSFSSVMHEALHNHYCORSLSLSPGK 232  
 Db 216 PVLDVGSSFFLYSKLTVDKSRWQQNVSFSSVMHEALHNHYCORSLSLSPGK 267

RESULT 15  
 US-09-842-851B-14  
 ; Sequence 14, Application US/09822851B

; Publication No.: US2003009566A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Liu, Yang  
 ; APPLICANT: Zheng, Pan  
 ; APPLICANT: Bai, Xue-Feng  
 ; TITLE OF INVENTION: Methods of Blocking Tissue Destruction by Autoreactive T Cells  
 ; FILE REFERENCE: 22727/04047  
 ; CURRENT APPLICATION NUMBER: US/03/822,851B  
 ; CURRENT FILING DATE: 2001-03-29  
 ; NUMBER OF SEQ ID NOS: 16  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 14  
 ; LENGTH: 288  
 ; TYPE: PRT  
 ; ORGANISM: Artificial sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: residues 1-52 are mouse HSA sequences, residues 53-55 are unknown  
 ; OTHER INFORMATION: sequences, residues 56-288 are human IgG1 Fc sequences  
 ; US-09-822-851B-14

Qy	1	EPKSCDKTHTCPCPAPILLGPSVFLPPPKSKDTLMISRPEVTCTVVVDPSHDEPEVKF	60
Db	56	EPKSCDKTHTCPCPAPILLGPSVFLPPPKSKDTLMISRPEVTCTVVVDPSHDEPEVKF	115
Qy	61	NWYTDGVEVHNAAKTKPREEQNSTYRVSVLTVLHQDWLNGKEYCCKVSNKALAPIEK	120
Db	116	NWYTDGVEVHNAAKTKPREEQNSTYRVSVLTVLHQDWLNGKEYCCKVSNKALAPIEK	175
Qy	121	ISAKVQPREPQYTLPPSRDELTKNQYSITCLVKGRPPSIAVEBSNGGPENNYKTTP	180
Db	176	ISAKVQPREPQYTLPPSRDELTKNQYSITCLVKGRPPSIAVEBSNGGPENNYKTTP	235
Qy	181	PVLDGSVGSFFLYSKLTVDKSRAQGNYFCSYMHEALHNHYQQRSLSLSPGK	232
Db	236	PVLDSDGSFFLYSLTVDKSRAQGNYFCSYMHEALHNHYTQKSLSLSPGK	287

Search completed: August 18, 2004, 01:12:39  
 Job time : 26.0419 secs

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## OM protein - protein search, using sw model

Run on: August 18, 2004, 00:56:48 ; Search time 9.31311 Seconds

(without alignments)  
1286.060 Million cell updates/sec

Title: US-09-847-208B-3

Perfect score: 1260

Sequence: 1 EPKSKDTHCPCPCKPAPELLL.....MHEALHNYQQRSLSLSPGK 232

Scoring table: BLOSUM62

Gapopen 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters:

389414

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing First 45 summaries

Database : Issued Patents AA:  
 1: /cgn2\_6/podata/2/iaa/5A\_COMB.pep:  
 2: /cgn2\_6/podata/2/iaa/5B\_COMB.pep:  
 3: /cgn2\_6/podata/2/iaa/6A\_COMB.pep:  
 4: /cgn2\_6/podata/2/iaa/6B\_COMB.pep:  
 5: /cgn2\_6/podata/2/iaa/BCTUS\_COMB.pep:  
 6: /cgn2\_6/podata/2/iaa/backFiles1.pep:  
 \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1225	97.2	232	US-03-595-043A-50	Sequence 50, Appl1
2	1225	97.2	331	US-09-178-869-2	Sequence 2, Appl1
3	1225	97.2	331	US-09-761-413-2	Sequence 2, Appl1
4	1225	97.2	360	US-09-180-100-11	Sequence 11, Appl1
5	1225	97.2	371	US-08-236-311-7	Sequence 7, Appl1
6	1225	97.2	371	US-08-457-918-7	Sequence 7, Appl1
7	1225	97.2	376	US-09-100-22	Sequence 22, Appl1
8	1225	97.2	396	US-08-784-512-3	Sequence 3, Appl1
9	1225	97.2	396	US-09-176-228-3	Sequence 3, Appl1
10	1225	97.2	424	FCT-US95-03866-12	Sequence 14, Appl1
11	1225	97.2	424	FCT-US95-03866-14	Sequence 14, Appl1
12	1225	97.2	437	FCT-US96-10043-11	Sequence 11, Appl1
13	1225	97.2	442	US-08-72-88A-7	Sequence 7, Appl1
14	1225	97.2	442	FCT-US96-10043-9	Sequence 9, Appl1
15	1225	97.2	446	US-08-397-411-7	Sequence 7, Appl1
16	1225	97.2	449	US-08-157-101A-7	Sequence 7, Appl1
17	1225	97.2	459	US-09-740-002-27	Sequence 10, Appl1
18	1225	97.2	475	US-08-379-939-10	Sequence 4, Appl1
19	1225	97.2	476	US-08-487-550-4	Sequence 27, Appl1
20	1225	97.2	476	US-08-487-550-12	Sequence 10, Appl1
21	1225	97.2	476	US-09-526-098-4	Sequence 12, Appl1
22	1225	97.2	476	US-09-526-098-12	Sequence 4, Appl1
23	1225	97.2	476	US-08-487-550-8	Sequence 12, Appl1
24	1225	97.2	478	US-09-526-098-8	Sequence 8, Appl1
25	1225	97.2	478	US-09-499-846-4	Sequence 8, Appl1
26	1225	97.2	497	US-09-499-846-6	Sequence 6, Appl1
27	1225	97.2	525	US-09-499-846-4	Sequence 4, Appl1

## ALIGNMENTS

RESULT 1  
US-08-595-043A-50  
 ; Sequence 50, Application US/08595043A  
 ; Patent No. 5935824  
 ; GENERAL INFORMATION:  
 ; APPLICANT: SGARLIATO, GREGORY D.  
 ; TITLE OF INVENTION: PROTEIN EXPRESSION SYSTEM  
 ; NUMBER OF SEQUENCES: 90  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: MEDELL & CARROLL  
 ; STREET: 220 MONTGOMERY STREET, SUITE 2200  
 ; CITY: SAN FRANCISCO  
 ; STATE: CALIFORNIA  
 ; COUNTRY: UNITED STATES OF AMERICA  
 ; ZIP: 94104  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/595, 043A  
 ; FILING DATE: 31-JAN-1996  
 ; CLASSIFICATION: 435  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: CARROLL, PETER G.  
 ; REGISTRATION NUMBER: 32, 837  
 ; REFERENCE/DOCKET NUMBER: SGAR-00371  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (415) 705-5410  
 ; TELEFAX: (415) 397-8338  
 ; INFORMATION FOR SEQ ID NO: 50:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 232 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; US-08-595-043A-50

Query Match 97.2%; Score 1225; DB 2; Length 232;

Best Local Similarity 97.0%; Pred. No. 2e-116; Indels 3; Mismatches 4; Gaps 0;

1 EPKSCDKHTCPCPAPELIGGSVLFPPKPKDTLMISRPEVCFVVDVSHPDEPEVKF 60

1 EPKSCDKHTCPCPAPELIGGSVLFPPKPKDTLMISRPEVCFVVDVSHPDEPEVKF 60

61 NYVGDGVENWVKTKEQQYNSTYRVSVLTILHQWNGKEYCKVSKA:APIEKT 120

61 NYVGDGVENWVAKTKPQEQTNSTYRVSVLTILHQWNGKEYCKVSKA:APIEKT 120

RESULT 3  
 US-09-761-413-2  
 ; Sequence 3, Application US/09761413  
 ; GENERAL INFORMATION:  
 ; Paten t No. 6508891  
 ; APPLICANT: Tao, Wong  
 ; APPLICANT: Wong, Shou  
 ; APPLICANT: Hickey, William F.  
 ; APPLICANT: Hammang, Joseph P.  
 ; APPLICANT: Baetge, E. Edward  
 ; TITLE OF INVENTION: CELL SURFACE-INDUCED MACROPHAGE ACTIVATION  
 ; CURRENT APPLICATION NUMBER: US/09/178,869B  
 ; CURRENT FILING DATE: 1998-10-26  
 ; NUMBER OF SEQ ID NOS: 14  
 ; SOFTWARE: Patentin Ver. 2.0  
 ; SEQ ID NO 2  
 ; LENGTH: 331  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-178-869-2

Query Match 97.2%; Score 1225; DB 3; Length 331;  
 Best Local Similarity 97.0%; Pred. No. 3.4e-16;  
 Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSCDKHTCPCPAPILLGPPSVELFPPKDTLMSRPEVTCVVDVSHEDEPKF 60  
 Db 100 EPKSCDKHTCPCPAPILLGPPSVELFPPKDTLMSRPEVTCVVDVSHEDEPKF 159

Qy 61 NWYTDGVEHNVTKPREEQNSTYRVSLTVLHQNMNGKEYKCKVSNKALPAPIKT 120  
 Db 150 NWYTDGVEHNVAKTPREEQNSTYRVSLTVLHQDLNGKEYKCKVSNKALPAPIKT 219

Qy 121 ISKAKVQPREPOVYTLPSSRDELTKNSRQGNYFSCSYMEALHNHYTQKSLISLSPK 232  
 Db 220 ISKAKGQPREPOVYTLPSSRDELTKNSRQGNYFSCSYMEALHNHYTQKSLISLSPK 279

Db 280 PVLDSDGSFFFLYSKLTVKPSRDLTKNSRQGNYFSCSYMEALHNHYTQKSLISLSPK 331

RESULT 4  
 US-09-180-100-11  
 ; Sequence 4, Application US/09180100  
 ; Patent No. 6306395  
 ; GENERAL INFORMATION:  
 ; APPLICANT: NAGATA, Shigekazu  
 ; TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE  
 ; FILE REFERENCE: 1110-207P  
 ; CURRENT APPLICATION NUMBER: US/09/180,100  
 ; CURRENT FILING DATE: 1998-11-02  
 ; EARLIER APPLICATION NUMBER: PCT/JP97/01502  
 ; EARLIER FILING DATE: 1997-05-01  
 ; NUMBER OF SEQ ID NOS: 25  
 ; SOFTWARE: Patentin Ver. 2.0  
 ; SEQ ID NO 11  
 ; LENGTH: 360  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-180-100-11

Query Match 97.2%; Score 1225; DB 4; Length 360;  
 Best Local Similarity 97.0%; Pred. No. 3.8e-16;  
 Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSCDKHTCPCPAPILLGPPSVELFPPKDTLMSRPEVTCVVDVSHEDEPKF 60  
 Db 100 EPKSCDKHTCPCPAPILLGPPSVELFPPKDTLMSRPEVTCVVDVSHEDEPKF 159

Qy 61 NWYTDGVEHNVTKPREEQNSTYRVSLTVLHQNMNGKEYKCKVSNKALPAPIKT 120  
 Db 160 NWYTDGVEHNVAKTPREEQNSTYRVSLTVLHQDLNGKEYKCKVSNKALPAPIKT 219

Qy 121 ISKAKVQPREPOVYTLPSSRDELTKNSRQGNYFSCSYMEALHNHYTQKSLISLSPK 180  
 Db 220 ISKAKGQPREPOVYTLPSSRDELTKNSRQGNYFSCSYMEALHNHYTQKSLISLSPK 232  
 Db 280 PVLDSDGSFFFLYSKLTVKPSRDLTKNSRQGNYFSCSYMEALHNHYTQKSLISLSPK 331

RESULT 5  
 US-08-236-311-7  
 ; Sequence 5, Application US/08236311  
 ; Patent No. 5565335  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Capon, Daniel J.

APPLICANT: Gregory, Timothy J.  
TITLE OF INVENTION: Adheson Variants  
NUMBER OF SEQUENCES: 25  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5 1/4 inch, 360 Kb floppy  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/236,311  
FILING DATE: 02-MAY-1994  
CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/916190  
FILING DATE: 26-AUG-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/842777  
FILING DATE: 18-FEB-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/250785  
FILING DATE: 28-SEP-1988

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/104329  
FILING DATE: 02-OCT-1987

ATTORNEY/AGENT INFORMATION:

NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE DOCKET NUMBER: 444P1C2

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1896  
TELEFAX: 415/922-9881  
TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:

LENGTH: 371 amino acids  
TYPE: amino acid  
TOPOLogy: linear

Query Match 97.2%; Score 1225; DB 1; Length 371;

US-08-457-918-7	Query Match	Score 1225; DB 3;	Length 371;
	Best Local Similarity 97.2%;	Score 1225;	Length 371;
	Matches 225;	Pred. No. 4e-11e-15;	Indels 0;
	Conservative 97.0%;	3; Mismatches 4;	Gaps 0;
	Matches 225;		
Qy	1 BPPSCDTHTCPCPADELLGGPSVLFPPPKDTIMISRTPEVVNDVSHEDDEVKF	60	
Db	140 EPSSCDKHTHPCPCPADELLGGPSVLFPPPKDTIMISRTPEVVNDVSHEDDEVKF	199	
Qy	61 NWYVGUEVHNWTKPREEQINSTYRVSVLTVLHQWQWNGKEYKCKVSKNPKALPAEKI	120	
Db	200 NWYVGUEVHNWTKPREEQINSTYRVSVLTVLHQDWLWSKEYKCKVSKNPKALPAEKI	259	
Qy	121 ISKAKVQPREPVYTLPSSRDELTKQVSUCLVKGRPSDIAVEWESNGOPENNKKTP	180	
Qy	122 ISKAKVQPREPVYTLPSSRDELTKQVSUCLVKGRPSDIAVEWESNGOPENNKKTP	180	
Db	260 ISKAGKQPREPVYTLPSSRDELTKQVSUCLVKGRPSDIAVEWESNGOPENNKKTP	319	
Qy	181 PVDLSVGSFFFLYSKLTVDKSRWQQGNYFCSYMHEALHNHYQQRSISLSPGK	232	
Db	320 PVDLSDSREPVSKTIDKSYQOGNYFCSYMHEALHNHYQQRSISLSPGK	371	

US-08457918  
Sequence 7, Application US/08457918  
; Patent No. 6117655  
; GENERAL INFORMATION:  
; APPLICANT: Capon, Daniel J.

RESULT 7  
US-09-180  
; Sequence

Patent No. 6306395  
 GENERAL INFORMATION:  
 APPLICANT: NAKAMURA, No. 630639510  
 APPLICANT: NAGATA, Shigekazu  
 TITLE OF INVENTION: NOVEL Fas ANTIGEN DERIVATIVE  
 FILE REFERENCE: 1110-207P  
 CURRENT APPLICATION NUMBER: US/09/180,100  
 CURRENT FILING DATE: 1998-11-02  
 EARLIER APPLICATION NUMBER: PCT/JP97/01502  
 EARLIER FILING DATE: 1997-05-01  
 NUMBER OF SEQ ID NOS: 25  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO: 22  
 LENGTH: 376  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-180-100-22

Query Match 97.2%; Score 1225; DB 4; Length 376;  
 Best Local Similarity 97.0%; Pred. No. 4e-116;  
 Matches 225; Conservative 3; MisMatches 4;  
 Indels 0; Gaps 0;

Qy 1 EPKSCDKTHTCPPCPAPLLGGPSVLFPPPKPDTLMSRPEVTCVVWDVSHEDEPKF 60  
 Db 145 EPKSCDKTHTCPPCPAPLLGGPSVLFPPPKPDTLMSRPEVTCVVWDVSHEDEPKF 204

Qy 61 NWYTDGVENVNYTKPREQVNSTYRVSVLTVLHQNLNGEYKCKVSNKALPAPIKT 120  
 Db 205 NWYTDGVENVNAKTKPREQVNSTYRVSVLTVLHQDWLNGEYKCKVSNKALPAPIKT 264

Qy 121 ISKAKQPREPOVYTLPSSRDLTKNQVSLTCLVKFYPSPDAVEENSGPENNYKTP 180  
 Db 265 ISKAKQPREPOVYTLPSSRDLTKNQVSLTCLVKFYPSPDAVEENSGPENNYKTP 324

Qy 181 PVLDVGSGFFLYSKLTVDKSRSQGNVFSCSYVHEALHNHYQQRSLSLSPGK 232  
 Db 325 PVLDGSDFLYSKLTVDKSRSQGNVFSCSYVHEALHNHYTQKSLSLSPGK 376

RESULT 8  
 US-08-784-512-3  
 Sequence 3, Application US/08784512  
 Patent No. 5872209  
 GENERAL INFORMATION:  
 APPLICANT: BARTNIK, Eckart  
 APPLICANT: EIDENMEULLER, Bernd  
 APPLICANT: BUETNER, Frank  
 APPLICANT: CATERSON, Bruce  
 APPLICANT: HUGHES, Clare  
 TITLE OF INVENTION: An artificial recombinant substrate (rAGG 1)  
 TITLE OF INVENTION: and native aggrecanase to study the proteolytic activity of  
 TITLE OF INVENTION: "Aggrecanase" in cell culture systems  
 NUMBER OF SEQUENCES: 4  
 ADDRESS: Foley & Lardner  
 STREET: Suite 500, 3000 K Street, N.W.  
 CITY: Washington, D.C.  
 COUNTRY: USA  
 ZIP: 20007-5109  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/784,512  
 FILING DATE: 17-JAN-1997  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: EP 96100682.2  
 FILING DATE: 18-JAN-1996  
 ATTORNEY/AGENT INFORMATION:  
 NAME: GRANADOS, Patricia D.  
 REGISTRATION NUMBER: 33,683

REFERENCE/DOCKET NUMBER: 18748/311  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (202) 672-5300  
 TELEFAX: (202) 672-5399  
 TELEX: 904136  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 396 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 FEATURE:  
 NAME/KEY: Protein  
 LOCATION: 1..396  
 US-08-784-512-3

Query Match 97.2%; Score 1225; DB 2; Length 396;  
 Best Local Similarity 97.0%; Pred. No. 4.e-116;  
 Matches 225; Conservative 3; MisMatches 4;  
 Indels 0; Gaps 0;

Qy 1 EPKSCDKTHTCPPCPAPLLGGPSVLFPPPKPDTLMSRPEVTCVVWDVSHEDEPKF 60  
 Db 165 EPKSCDKTHTCPPCPAPLLGGPSVLFPPPKPDTLMSRPEVTCVVWDVSHEDEPKF 224

Qy 61 NWYTDGVENVNYTKPREQVNSTYRVSVLTVLHQNLNGEYKCKVSNKALPAPIKT 120  
 Db 225 NWYTDGVENVNAKTKPREQVNSTYRVSVLTVLHQDWLNGEYKCKVSNKALPAPIKT 284

Qy 121 ISKAKQPREPOVYTLPSSRDLTKNQVSLTCLVKFYPSPDAVEENSGPENNYKTP 180  
 Db 285 ISKAKQPREPOVYTLPSSRDLTKNQVSLTCLVKFYPSPDAVEENSGPENNYKTP 344

Qy 181 PVLDVGSGFFLYSKLTVDKSRSQGNVFSCSYVHEALHNHYQQRSLSLSPGK 232  
 Db 345 PVLDGSDFLYSKLTVDKSRSQGNVFSCSYVHEALHNHYTQKSLSLSPGK 396

RESULT 9  
 US-09-176-228-3  
 Sequence 3, Application US/09176228  
 Patent No. 6180334  
 GENERAL INFORMATION:  
 APPLICANT: BARTNIK, Eckart  
 APPLICANT: EIDENMEULLER, Bernd  
 APPLICANT: BUETNER, Frank  
 APPLICANT: CATERSON, Bruce  
 APPLICANT: HUGHES, Clare  
 TITLE OF INVENTION: An artificial recombinant substrate (rAGG 1)  
 TITLE OF INVENTION: and native aggrecanase to study the proteolytic activity of  
 TITLE OF INVENTION: "Aggrecanase" in cell culture systems  
 NUMBER OF SEQUENCES: 4  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Foley & Lardner  
 STREET: Suite 500, 3000 K Street, N.W.  
 CITY: Washington, D.C.  
 COUNTRY: USA  
 ZIP: 20007-5109  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/176,228  
 FILING DATE:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/08/784,512  
 FILING DATE: 17-JAN-1997  
 APPLICATION NUMBER: EP 96100682.2  
 FILING DATE: 18-JAN-1996  
 ATTORNEY/AGENT INFORMATION:  
 NAME: GRANADOS, Patricia D.  
 REGISTRATION NUMBER: 33,683

REGISTRATION NUMBER: 33, 683  
 REFERENCE/DOCKET NUMBER: 18748/311  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (202)672-5300  
 TELEFAX: (202)672-5399  
 TELEX: 904136  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 396 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 FEATURE:  
 NAME/KEY: Protein  
 LOCATION: 1..396

US-09-176-228-3

Query Match 97.2%; Score 1225; DB 3; Length 396;  
 Best Local Similarity 97.0%; Pred. No. 4.4e-116;  
 Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSCDKTHCPCPAPELLGGPSVLFPPKPKDLMISRTPETVTVVDSHEDPEVKP 60  
 Db 165 EPKSCDKTHCPCPAPELLGGPSVLFPPKPKDLMISRTPETVTVVDSHEDPEVKP 224

Qy 61 NWYDGVEVHNVKTKPREEYNSTYRVSVLTLHQNMNNGREYKCKVSNKALPAI EKT 120  
 Db 225 NWYDGVEVHNVKTKPREEYNSTYRVSVLTLHQNMNNGREYKCKVSNKALPAI EKT 284

Qy 121 ISAKVQPREPVYTLPPSRDELTKNOVSLTCLVKGFPSPDIAVESNGQPENNYKTP 180  
 Db 285 ISAKGQPREPVYTLPPSRDELTKNOVSLTCLVKGFPSPDIAVESNGQPENNYKTP 344

Qy 181 PVLDVGSSFLYSLTVDRSRWQGNVFCSVNHEALNHYQORSLSLSPGK 232  
 Db 345 PVLDGSFPLYSLTVDRSRWQGNVFCSVNHEALNHYQORSLSLSPGK 396

RESULT 10  
 PCT-US95-03865-12

SEQUENCE 12 APPLICATION PC/TUSS503866  
 GENERAL INFORMATION:  
 APPLICANT: CytoMed, Inc. (all states except US)  
 APPLICANT: Nocka, Karl (US only)  
 APPLICANT: Lobell, Robert B (US only)  
 TITLE OF INVENTION: STABILIZED DIMER OF KIT LIGAND AND NUMBER OF SEQUENCES: 36  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Fish & Neave  
 STREET: 1251 Avenue of the Americas  
 CITY: New York  
 STATE: United States of America  
 ZIP: 10020  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent'n Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: PCT/US95/03866  
 FILING DATE:  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/220,379  
 FILING DATE: 28-MAR-1994  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Haley Jr., James F  
 REGISTRATION NUMBER: 27,794  
 REFERENCE DOCKET NUMBER: CytoMed,2  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 212-596-9000  
 TELEFAX: 212-596-9090  
 INFORMATION FOR SEQ ID NO: 14:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 424 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein

PCT-US95-03866-14

Query Match Similarity 97.2%; Score 1225; DB 5; Length 424;  
Best Local Similarity 97.0%; Pred. No. 4 8e-116;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSCDKTHCPCKPAPBLLGGPSVFLPPKPKDTLMISRPEVTCVVVDYSHEDPEVKF 60  
Db 193 EPKSCDKTHCPCKPAPBLLGGPSVFLPPKPKDTLMISRPEVTCVVVDYSHEDPEVKF 252

Qy 61 NWYDGVEVHNVYTKPREQVNSTYRVSVTLHQNMNGKEYKCKVSNKALPAPIKT 120  
Db 253 NWYDGVEVHNVYTKPREQVNSTYRVSVTLHQNMNGKEYKCKVSNKALPAPIKT 312

Qy 121 ISAKVQPREQVTILPPSRDLETLKNOVSLTUVKCFYPSIAWENSGCPENNYKTP 180  
Db 313 ISAKGQREPOVTLPPSRDLETLKNOVSLTUVKCFYPSIAWENSGCPENNYKTP 372

Qy 181 PVLDVGSGFFLYSKLTVDKSRAQCGNVSFCSTMHEAHNNHQRSLSLSPK 232  
Db 373 PVLDSDGFFLYSKLTVDKSRAQCGNVSFCSTMHEAHNNHQRSLSLSPK 424

RESULT 13

PCT-US96-10043-11 Application PC/TUS9610043

GENERAL INFORMATION:  
APPLICANT: The General Hospital Corporation  
TITLE OF INVENTION: P-SELECTIN LIGANDS AND RELATED MOLECULES  
TITLE OF INVENTION: AND METHODS  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fish & Richardson P.C.  
STREET: 225 Franklin Street  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02110

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DCS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US96/10043  
FILING DATE: 14-JUN-1995  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Lech, Karen F.  
REGISTRATION NUMBER:  
REFERENCE/DOCKET NUMBER: 00786/284001  
TELEPHONE: 617/542-5070  
TELEFAX: 617/542-8906  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 437 amino acids  
TYPE: amino acid  
STRANDEDNESS: not relevant  
TOPOLOGY: linear  
MOLECULE TYPE: protein

PCT-US96-10043-11

Query Match Similarity 97.2%; Score 1225; DB 5; Length 437;  
Best Local Similarity 97.0%; Pred. No. 5e-116;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSCDKTHCPCKPAPBLLGGPSVFLPPKPKDTLMISRPEVTCVVVDYSHEDPEVKF 60

Db 206 EPKSCDKTHCPCKPAPBLLGGPSVFLPPKPKDTLMISRPEVTCVVVDYSHEDPEVKF 265  
Qy 61 NWYDGVEVHNVYTKPREQVNSTYRVSVTLHQNMNGKEYKCKVSNKALPAPIKT 120  
Db 266 NWYDGVEVHNVYTKPREQVNSTYRVSVTLHQNMNGKEYKCKVSNKALPAPIKT 325

Qy 121 ISAKVQPREQVTILPPSRDLETLKNOVSLTUVKCFYPSIAWENSGCPENNYKTP 180  
Db 326 ISAKGQREPOVTLPPSRDLETLKNOVSLTUVKCFYPSIAWENSGCPENNYKTP 385

Qy 181 PVLDVGSGFFLYSKLTVDKSRAQCGNVSFCSTMHEAHNNHQRSLSLSPK 232  
Db 386 PVLDSDGFFLYSKLTVDKSRAQCGNVSFCSTMHEAHNNHQRSLSLSPK 437

GENERAL INFORMATION:  
Patent No. 661746  
APPLICANT: Seed, Brian  
APPLICANT: Walz, Gerd  
TITLE OF INVENTION: AGP-ANTIBODY FUSION PROTEINS  
TITLE OF INVENTION: AND RELATED MOLECULES AND METHODS  
NUMBER OF SEQUENCES: 9  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Clark & Elbing LLP  
STREET: 176 Federal Street  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02110  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/472,888A  
FILING DATE: 07-JUN-1995  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/618,314  
FILING DATE: 23-NOV-1990  
ATTORNEY/AGENT INFORMATION:  
NAME: Elbing, Karen L.  
REGISTRATION NUMBER: 35,238  
REFERENCE/DOCKET NUMBER: 00786/258001  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617-428-0200  
TELEFAX: 617-428-7045  
INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 442 amino acids  
TYPE: amino acid  
STRANDEDNESS: unknown  
TOPOLOGY: linear  
MOLECULE TYPE: protein

US-08-472-888A-7

Query Match Similarity 97.2%; Score 1225; DB 4; Length 442;  
Best Local Similarity 97.0%; Pred. No. 5.e-116;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSCDKTHCPCKPAPBLLGGPSVFLPPKPKDTLMISRPEVTCVVVDYSHEDPEVKF 60

Db 211 EPKSCDKTHCPCKPAPBLLGGPSVFLPPKPKDTLMISRPEVTCVVVDYSHEDPEVKF 270

Qy 61 NWYDGVEVHNVYTKPREQVNSTYRVSVTLHQNMNGKEYKCKVSNKALPAPIKT 120  
Db 271 NWYDGVEVHNVYTKPREQVNSTYRVSVTLHQNMNGKEYKCKVSNKALPAPIKT 330

Qy 121 ISKAKVQPREPQVYTLPPSRDELTKNOVSLSCLVKGFPSPDIAVEWESNGQPENNYKTTP 180  
Db 331 ISKAKKGQPREPQVYTLPPSRDELTKNOVSLSCLVKGFPSPDIAVEWESNGQPENNYKTTP 390

Qy 181 PVLDVGSPFLYSKLTVDKSRWQGNFSSVMHEALTHYHQRSLSLSPGK 232  
Db 391 PVLDGSFPLYSKLTVDKSRWQGNFSSVMHEALTHYHQRSLSLSPGK 442

RESULT 14  
PCT-US96-10043-9  
; Sequence 9, Application PC/TUS9610043  
; GENERAL INFORMATION:  
; APPLICANT: The General Hospital Corporation  
; TITLE OF INVENTION: P-SELECTIN LIGANDS AND RELATED MOLECULES  
; NUMBER OF SEQUENCES: 14  
; CURRENT APPLICATION DATA:  
; ADDRESSEE: Fish & Richardson P.C.  
; STREET: 225 Franklin Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02110-2804  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; PRIORITY APPLICATION NUMBER: PCT/US96/10043  
; FILING DATE:  
; CLASSIFICATION:  
; PRIORITY APPLICATION DATA:  
; APPLICATION NUMBER: US 60/000,213  
; FILING DATE: 14-JUN-1995  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Lech, Karen F.  
; REGISTRATION NUMBER:  
; REFERENCE/DOCKET NUMBER: 00786/284001  
; TELEPHONE: 617/542-5070  
; TELEFAX: 617/542-8906  
; TELEX: 200154  
; INFORMATION FOR SEQ ID NO: 9:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 442 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: not relevant  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; PCT-US96-10043-9

Query Match 97.2%; Score 1225; DB 5; Length 442;  
Best Locl Similarity 97.0%; Pred. No. 5..16; Indels 0; Gaps 0;  
Matches 225; Conservative 3; Mismatches 4;

Qy 1 EPKSCDKTHCPCPAPELGGPSVLFPPKPKDTLMISRPEVTCVVYDVSHEDEPVKF 60  
Db 211 EPKSCDKTHCPCPAPELGGPSVLFPPKPKDTLMISRPEVTCVVYDVSHEDEPVKF 270

Qy 61 NWYDGVENVVKKPREEQYNTVYRVSLSLTPSERDLTKNOVSLSCLVKGFPSPDIAVEWESNGQPENNYKTTP 120  
Db 271 NWYDGVENVVKKPREEQYNTVYRVSLSLTPSERDLTKNOVSLSCLVKGFPSPDIAVEWESNGQPENNYKTTP 330

Qy 121 ISKAKVQPREPQVYTLPPSRDELTKNOVSLSCLVKGFPSPDIAVEWESNGQPENNYKTTP 180  
Db 331 ISKAKXGQPRPQVYTLPPSRDELTKNOVSLSCLVKGFPSPDIAVEWESNGQPENNYKTTP 390

Qy 181 PVLDVGSPFLYSKLTVDKSRWQGNFSSVMHEALTHYHQRSLSLSPGK 232  
Db 395 PVLDGSFPLYSKLTVDKSRWQGNFSSVMHEALTHYHQRSLSLSPGK 446

Db 391 PVLDSDGSFPLYSKLTVDKSRWQGNFSSVMHEALTHYHQRSLSLSPGK 442

RESULT 15  
US-08-397-411-7  
; Sequence 7, Application US/08397411  
; Patent No. 6129914  
; GENERAL INFORMATION:  
; APPLICANT: Weiner, George  
; ADDRESS: Gingrich, Roger  
; APPLICANT: Link, Brian  
; APPLICANT: Tso, J. Yun  
; TITLE OF INVENTION: Bispecific Antibody Effective to Treat B-Cell Lymphoma and Cell Line  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Townsend and Townsend and Crew  
; STREET: One Market Plaza, Stewart Tower, Suite 2000  
; CITY: San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94105  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/397,411  
; FILING DATE: 01-MAR-1995  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/859,583  
; FILING DATE: 27-MAR-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Smith, William M.  
; REGISTRATION NUMBER: 30,223  
; REFERENCE/DOCKET NUMBER: 011823-004901  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-326-2400  
; TELEFAX: 415-326-2422  
; INFORMATION FOR SEQ ID NO: 7:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 446 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; US-08-397-411-7

Query Match 97.2%; Score 1225; DB 3; Length 446;  
Best Local Similarity 97.0%; Pred. No. 5..2e-116;  
Matches 225; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EPKSCDKTHCPCPAPELGGPSVLFPPKPKDTLMISRPEVTCVVYDVSHEDEPVKF 60  
Db 215 EPKSCDKTHCPCPAPELGGPSVLFPPKPKDTLMISRPEVTCVVYDVSHEDEPVKF 274

Qy 61 NWYDGVENVVKKPREEQYNTVYRVSLSLTPSERDLTKNOVSLSCLVKGFPSPDIAVEWESNGQPENNYKTTP 120  
Db 275 NWYDGVENVVKKPREEQYNTVYRVSLSLTPSERDLTKNOVSLSCLVKGFPSPDIAVEWESNGQPENNYKTTP 334

Qy 121 ISKAKVQPREPQVYTLPPSRDELTKNOVSLSCLVKGFPSPDIAVEWESNGQPENNYKTTP 180  
Db 335 ISKAKGQPRPQVYTLPPSRDELTKNOVSLSCLVKGFPSPDIAVEWESNGQPENNYKTTP 394

Qy 181 PVLDVGSPFLYSKLTVDKSRWQGNFSSVMHEALTHYHQRSLSLSPGK 232  
Db 395 PVLDGSFPLYSKLTVDKSRWQGNFSSVMHEALTHYHQRSLSLSPGK 446

Search completed: August 18, 2004, 01:00:25  
Job time : 9.31311 secs



Result No.	Score	Query Match Length	DB ID	Description
1	956.5	56.0	426 1	Sequence 2, Appli
2	956.5	56.0	426 5	Sequence 2, Appli
3	949.5	55.6	431 4	Sequence 1, Appli
4	949.5	55.6	496 4	Sequence 2, Appli
5	949.5	55.6	496 4	Sequence 29, Appli
6	678.5	39.7	561 3	Sequence 2, Appli
7	597	35.0	113 2	Sequence 56, Appli
8	587	34.4	110 1	Sequence 6, Appli
9	587	34.4	110 1	Sequence 6, Appli
10	587	34.4	110 2	Sequence 6, Appli
11	581	34.0	109 1	Sequence 2, Appli
12	581	34.0	109 3	Sequence 2, Appli
13	566.5	33.2	109 4	Sequence 1, Appli
14	566.5	33.2	109 4	Sequence 1, Appli
15	556	32.6	106 2	Sequence 54, Appli
16	526	30.8	119 2	Sequence 1, Appli
17	508.5	29.8	118 3	Sequence 1, Appli
18	481.5	28.2	334 2	Sequence 16, Appli
19	455.5	26.7	333 1	Sequence 6, Appli
20	455.5	26.7	333 1	Sequence 6, Appli
21	453	26.5	331 2	Sequence 17, Appli
22	425	24.9	451 4	Sequence 70, Appli
23	424	24.8	599 1	Sequence 18, Appli
24	424	24.8	599 3	Sequence 18, Appli
25	423.5	24.8	599 3	Sequence 18, Appli
26	423.5	24.8	463 4	Sequence 6, Appli
27	422	24.7	450 2	Sequence 12, Appli

GenCore version 5.1.6  
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OM Protein - protein search, using sw model

Run on: August 18, 2004, 00:56:48 ; Search time 12.8457 Seconds  
 (without alignments)  
 1286.060 Million cell updates/sec

Title: US-09-847-208B-6  
 Perfect score: 1707  
 Sequence: 1 FPPPTYKILQSSCDGGGHFP.....HEAASPQTQRAYSVNPGK 320

Scoring table: BLOSUM62  
 Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0  
 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
 Listing first 45 summaries

Database : Issued Patents AA:  
 1: /cg92\_6/podata/2/iaa/5A\_COMB.pep:  
 2: /cg92\_6/podata/2/iaa/5B\_COMB.pep:  
 3: /cg92\_6/podata/2/iaa/6A\_COMB.pep:  
 4: /cg92\_6/podata/2/iaa/6B\_COMB.pep:  
 5: /cg92\_6/podata/2/iaa/5CTUS\_COMB.pep:  
 6: /cg92\_6/podata/2/iaa/backfiles.pep:  
 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is greater by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	956.5	56.0	426 1	Sequence 2, Appli
2	956.5	56.0	426 5	Sequence 2, Appli
3	949.5	55.6	431 4	Sequence 1, Appli
4	949.5	55.6	496 4	Sequence 2, Appli
5	949.5	55.6	496 4	Sequence 29, Appli
6	678.5	39.7	561 3	Sequence 2, Appli
7	597	35.0	113 2	Sequence 56, Appli
8	587	34.4	110 1	Sequence 6, Appli
9	587	34.4	110 1	Sequence 6, Appli
10	587	34.4	110 2	Sequence 6, Appli
11	581	34.0	109 1	Sequence 2, Appli
12	581	34.0	109 3	Sequence 2, Appli
13	566.5	33.2	109 4	Sequence 1, Appli
14	566.5	33.2	109 4	Sequence 1, Appli
15	556	32.6	106 2	Sequence 54, Appli
16	526	30.8	119 2	Sequence 1, Appli
17	508.5	29.8	118 3	Sequence 1, Appli
18	481.5	28.2	334 2	Sequence 16, Appli
19	455.5	26.7	333 1	Sequence 6, Appli
20	455.5	26.7	333 1	Sequence 6, Appli
21	453	26.5	331 2	Sequence 17, Appli
22	425	24.9	451 4	Sequence 70, Appli
23	424	24.8	599 1	Sequence 18, Appli
24	424	24.8	599 3	Sequence 18, Appli
25	423.5	24.8	463 4	Sequence 6, Appli
26	423.5	24.8	450 2	Sequence 12, Appli

ALIGNMENTS

RESULT 1  
 US-08-336-583-2  
 ; Sequence 2, Application US/08336583  
 ; Patent No. 5623415  
 ; GENERAL INFORMATION:  
 ; APPLICANT: HOLLIS, GREGORY F.  
 ; TITLE OF INVENTION: DNA ENCODING CANINE IMMUNOGLOBULIN E  
 ; NUMBER OF SEQUENCES: 2  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: CHRISTINE E. CARTY  
 ; STREET: 126 E. LINCOLN AVENUE  
 ; CITY: Rahway  
 ; STATE: NEW JERSEY  
 ; COUNTRY: USA  
 ; ZIP: 07065-0000  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/336\_583  
 ; FILING DATE: 09-NOV-1994  
 ; CLASSIFICATION: 424  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: CARTY, CHRISTINE E.  
 ; REGISTRATION NUMBER: 36,099  
 ; REFERENCE/DOCKET NUMBER: 19211  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (908) 594-6734  
 ; TELEFAX: (908) 594-4720  
 ; INFORMATION FOR SEQ ID NO: 2:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 426 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; US-08-336-583-2

Query Match 56.0%; Score 956.5%; Best Local Similarity 56.2%; Pred. No. 8.3e-84;  
 Matches 50; Mismatches 5; Gaps 4;

Qy 1 FTBPTYKILQSSCDGGGHFPPTIQCLVSYTPTGNTNTWLEDQ-VMVDVLSTASTTQ 59  
 DB 104 FIPPTYKFLRSNSCPYGDTHTIQLLCLISGYVPDMENVWLVDQKATIPTAPTYC 163  
 Qy 200 EGELASTQSELTLSQLXWLSRDRYTTCQVTYQGHTPFDSTRKCADSNPRGVSYAISRSRSPF 119

Db 164 EGNVTSTHSELNITQGWTQSOKTYCQTYQGFPKDEARKCSSESDRGVTSYLSPSPL 223

Db 120 DLFIRKSPITCLVYDLSASKGTVNLNTSRASGRPVNHSSTRBEKORNGTLTIVTSLPVG 179

Db 224 DLVYHAKPTKTCVLDATMEG-MNLNTWRESKEPVNPGLNKEDHFNSTITYTSLTPN 282

Qy 180 TRDWIEGETYOCRTHPHPLRALMSTSSTKTSGPRAAPTYAATP-EWPGSRDKRTLACI 238

Db 283 TNDWIEGETYOCRTHPHPLKDVTISATAPGRPAAPDYYFLPEEEGKTRVYLTCL 342

Qy 180 TRDWIEGETYOCRTHPHPLRALMSTSSTKTSGPRAAPTYAATP-EWPGSRDKRTLACI 238

Db 283 TNDWIEGETYOCRTHPHPLKDVTISATAPGRPAAPDYYFLPEEEGKTRVYLTCL 342

Qy 239 IQNFMPEDISQWLNEVQLPDARHSTTOPRKTGS--GFVFVERLETRAWEQKDEFI 296

Db 343 IQNFPADISQWLNDSPQTQYTITGBHKVSGSRPAFFPSRLEVSRDVQEKNKFT 402

Qy 297 CRAVHAASPSQTYQRAVSINPGK 320

Db 403 CQVVHEALSGSRILQRWVKSPKPGK 426

RESULT 3  
US-09-479-614-14

; Sequence 14, Application US/09479614

; Patent No. 6573372

; GENERAL INFORMATION:

; APPLICANT: McCall, Catherine

; TITLE OF INVENTION: Feline Immunoglobulin E Molecules and Related Methods

; FILE REFERENCE: P-1047

; CURRENT APPLICATION NUMBER: US/09/479, 614

; EARLIER APPLICATION NUMBER: 2000-01-07

; EARLIER FILING DATE: 1999-01-07

; NUMBER OF SEQ ID NOS: 34

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO: 14

; TYPE: PRT

; ORGANISM: Felis catus

; US-09-479-614-14

Query Match 55 6%; Score 949 5; DB 4; Length 431;

Best Local Similarity 56.5%; Pred. No. 4e-83; Indels 5; Gaps 4;

Matches 183; Conservative 46; Mismatches 90;

Qy 1 FPPPTKILQSSCDGGHHEPTIQILCLVSGYPTGTINTIWLEDQ-VMDVDLSTAATRQ 59

Db 109 FIPPTYKLFHSSCNPLGDTGSTIQLCLSGYVPEFMEYTWLVQKATNIFPTAPGKQ 168

Qy 60 EGELASTSQESELTLSQGHWSLDRTYCQTYQGHTSBDSTKKCADSNPRGVSAYLSRSPSPF 119

Db 169 EGKVTSSEHSELNITQGEWNSOKTYICQVYQGFTEDHARKCTEDPRGYSTLSPSPSPL 228

Qy 120 DLFIKRSPTITCLVWDLAPSKGTVNLNTSRASGRPVNHSSTRKEENQRTGTLTIVTSLPVG 179

Db 229 DLVHHSKPKITCLVWDLANTDGM-ITWSRENGESWHPDMVKKTQYNTGTTIVTSLPVD 287

Qy 180 TRDWIEGETYOCRTHPHPLRALMSTSSTKTSGPRAAPTYAATP-PGSRDKRTLACI 238

Db 288 ATDWIEGETYOCRTHPHPLKDVTISATAPGRPAAPDYYFLPEEEGKTRVYLTCL 342

Qy 239 IQNFMPEDISQWLNEVQLPDARHSTTOPRKTGS--GFVFVERLETRAWEQKDEFI 296

Db 348 IQNFPADISQWLNDSPQTQYTITGBHKVSGSRPAFFPSRLEVSRDVQEKNKFT 407

RESULT 4  
US-09-479-614-2

; Sequence 14, Application US/09479614

; Patent No. 6573372

; GENERAL INFORMATION:

; APPLICANT: McCall, Catherine

; APPLICANT: Weber, Eric

Db 297 CRAVHAASPSQTYQRAVSINPGK 320

Db 408 CQVVHEALSGSRILQRWVKSPKPGK 431

Qy 1 FPPPTKILQSSCDGGHHEPTIQILCLVSGYPTGTINTIWLEDQ-VMDVDLSTAATRQ 59

Db 104 FIPPTYKLFHSSCNPLGDTGSTIQLCLSGYVPEFMEYTWLVQKATNIFPTAPGK 163

Qy 60 EGELASTSQESELTLSQGHWSLDRTYCQTYQGHTSBDSTKKCADSNPRGVSAYLSRSPSPF 119

Db 164 EGNVTSTHSELNITQGEWNSOKTYICQVYQGFTEDHARKCTEDPRGYSTLSPSPSPL 223

Qy 120 DLPTKSKPTITCLVWDLAPSKGTVNLNTSRASGRPVNHSSTRKEENQRTGTLTIVTSLPVG 179

TITLE OF INVENTION: Feline Immunoglobulin E Molecules and Related Methods  
; FILE REFERENCE: P-10-7  
; CURRENT APPLICATION NUMBER: US/09/479, 614  
; CURRENT FILING DATE: 2000-01-07  
; EARLIER APPLICATION NUMBER: 60/1115, 033  
; EARLIER FILING DATE: 1999-01-07  
; NUMBER OF SEQ ID NOS: 34  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO: 2  
; LENGTH: 496  
; TYPE: PRT  
; ORGANISM: *Felis catus*  
; US-09-479-614-2

Query Match 55.6%; Score 949.5; DB 4; Length 496;  
Best Local Similarity 56.5%; Pred. No. 4.9e-83;  
Matches 46; Mismatches 90; Indels 5; Gaps 4;

Db 1 FPPPTVKILLOSSCDGGHFFOPTIQLCLVSGYPTGTINITWLEDQ-VMDVDLISTASTTQ 59  
Db 174 FIPPTVKLFSSCNPLGDTGSTIQCLISGYVGDMETWLDGQKATNIFPYTAGKQ 496

RESULT 5  
US-09-479-614-2

Query 1 FPPPTVKILLOSSCDGGHFFOPTIQLCLVSGYPTGTINITWLEDQ-VMDVDLISTASTTQ 59  
Db 60 EGELASTQSTTLTSRHWLSDRTYTCQVITYQHTFEDSTTKCADSNPRGVASVLSRSPSPF 119  
Db 234 EGKVTSITHSELNTIQGEWTQSQTIVTCQVITYQGFPEDHARKCTESPRGVSTYLSPSPF 293

Query 120 DLFIRKSPKTTLYDPLASKGTVNLTWSRASKPVNHSRKBEKQRNGLTIVTSLFVG 179  
Db 294 DLYVHKSPKTTLYDPLVANTDGMI-LTWSRENGESVHDPMVKQTQYNGTIVTSLFVG 122

Query 180 TRDWIEGETYQCRVTHPHPLRAMLRSSTKTSGPRAAPEVYAFATPEW\_PGSRDKRTLACI 238  
Db 353 ATDWIEGETYQCKVTHPDIVRSIAKAPGRFRPEPVYFLPPEGPKTDKVLTCL 412

Query 1 QNFMPEDISVQWLNEVQLPDAHSTTQPRKTKG--SGFVFSRLETRAEWQKUEFI 296  
Db 413 QNFFPPDISVQWLNDSPVTRLEQATTWPHKATGPSPAFVFSRLEVSRADMEQDVFT 472

Query 297 CRAVEAAASSPSQTVQRAVSYNPGK 320  
Db 473 CQVHEALPGFRTLKKSRSKNPKG 496

RESULT 6  
US-09-192-545-2

Query 1 FPPPTVKILLOSSCDGGHFFOPTIQLCLVSGYPTGTINITWLEDQ-VMDVDLISTASTTQ 59  
Db 61 EGELASTQSTTLTSRHWLSDRTYTCQVITYQHTFEDSTTKCADSNPRGVASVLSRSPSPF 119  
Db 234 EGKVTSITHSELNTIQGEWTQSQTIVTCQVITYQGFPEDHARKCTESPRGVSTYLSPSPF 293

Query 120 DLFIRKSPKTTLYDPLASKGTVNLTWSRASKPVNHSRKBEKQRNGLTIVTSLFVG 179  
Db 294 DLYVHKSPKTTLYDPLVANTDGMI-LTWSRENGESVHDPMVKQTQYNGTIVTSLFVG 122

Query 180 TRDWIEGETYQCRVTHPHPLRAMLRSSTKTSGPRAAPEVYAFATPEW\_PGSRDKRTLACI 238  
Db 353 ATDWIEGETYQCKVTHPDIVRSIAKAPGRFRPEPVYFLPPEGPKTDKVLTCL 412

Query 1 QNFMPEDISVQWLNEVQLPDAHSTTQPRKTKG--SGFVFSRLETRAEWQKUEFI 296  
Db 413 QNFFPPDISVQWLNDSPVTRLEQATTWPHKATGPSPAFVFSRLEVSRADMEQDVFT 472

Query 297 CRAVEAAASSPSQTVQRAVSYNPGK 320  
Db 473 CQVHEALPGFRTLKKSRSKNPKG 496

RESULT 7  
US-09-192-545-2

Query Match 55.6%; Score 949.5; DB 4; Length 496;  
Best Local Similarity 56.5%; Pred. No. 4.9e-83;  
Matches 46; Mismatches 90; Indels 5; Gaps 4;

Db 1 FPPPTVKILLOSSCDGGHFFOPTIQLCLVSGYPTGTINITWLEDQ-VMDVDLISTASTTQ 59  
Db 174 FIPPTVKLFSSCNPLGDTGSTIQCLISGYVGDMETWLDGQKATNIFPYTAGKQ 496

RESULT 8  
US-09-192-545-2

Query Match 55.6%; Score 949.5; DB 3; Length 561;  
Best Local Similarity 43.7%; Pred. No. 7.6e-57;  
Matches 136; Conservative 56; Mismatches 112; Indels 7; Gaps 6;

Query 13 CDGGGHFPPTIQLCLVSGYPTGTINITWLDGQMDVDSLSTATTTQEGELASTQSLT 71  
Db 247 CDPNA-FASITQLYCPYIGHLNDSWMLMDDBITDIAQTVLIKEBOKLASTCSKLN 305

Query 72 LSQKHEWLSDRYTCQVITYQHTFEDSTTKCADSNPRGVASVLSRSPFDLFTKSPITTC 131  
Db 306 ITBQQWNSESTPCRVTSQGYDYLAKTRRCDEERGATYLLIPSPLDLYQNGAPLTC 365

Query 132 LVVDLASKPTGVNLTSRASKPVNHSRKBEKQRNGLTIVTSLFVGTRDWEGETYQCG 191  
Db 366 LYVDBEEK-NVNVTNNQEKCTSVASQWTKHEHNNATTSITSLPVARDWIEEYQCG 424

Query 192 RVTHPHPLRAMLRSSTKTS-GPRAAPEVYAFATPEWPMPSRDKRTLACIIONFMPEDI SVQ 250  
Db 425 VYDRDPEPKPIVRSITLPOVSRSAPEVYFPPPE-EESEDKRTLTCLQNFPPEDI SVQ 483

Query 251 WLHNEVOLPDAHSTTQPRKTKG--GFFVFSRLETRAEWQDEFICRAVHEAAPSQ 308  
Db 484 WLGDGKLIISQHSTTPIKNSNGFFIFSRLEVAKTLWTRQKQFTCQVTHEALQKPR 543

Query 309 TYQRAVSYNPG 319  
Db 544 KLEKTISTSLG 554

Query 1 FPPPTVKILLOSSCDGGHFFOPTIQLCLVSGYPTGTINITWLEDQ-VMDVDLISTASTTQ 59  
Db 174 FIPPTVKLFSSCNPLGDTGSTIQCLISGYVGDMETWLDGQKATNIFPYTAGKQ 496

Query 60 EGELASTQSTTLTSRHWLSDRTYCQVITYQHTFEDSTTKCADSNPRGVASVLSRSPSPF 119

RESULT 7  
US-08-232-539D-56

Sequence 56, Application US/08232539D

Parent No. 5365709

GENERAL INFORMATION:

APPLICANT: Presta, Leonard G.

APPLICANT: Jardieu, Paula M.

TITLE OF INVENTION: IGE Antagonists

NUMBER OF SEQUENCES: 60

ADDRESSSEE: Genentech, Inc.

STREET: 1 DNA Way

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WinPatin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/399,106A

FILING DATE: 01-Mar-1995

CLASSIFICATION: 424

ATTORNEY/AGENT INFORMATION:

NAME: Lee, Wendy M.

REGISTRATION NUMBER: 00,000

REFERENCE/DOCKET NUMBER: P0327

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/952-9881

TELEFAX: 910/377-7168

INFORMATION FOR SEQ ID NO: 6 :

SEQUENCE CHARACTERISTICS:

LENGTH: 110 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

US-08-399-106A-6

Query Match Score 587; DB 1; Length 110;

Best Local Similarity 100.0%; Pred. No. 4.5e-49;

Matches 110; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

GENERAL INFORMATION:

APPLICANT: Carter, Paul J.

APPLICANT: Presta, Leonard G.

APPLICANT: Ridgway, John B.

TITLE OF INVENTION: A METHOD FOR MAKING HETEROMULTIMERIC POLYPEPTIDES

NUMBER OF SEQUENCES: 16

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-Dos/MS-Dos

SOFTWARE: WinPatin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/433,105A

FILING DATE: 03-May-1995

CLASSIFICATION: 530

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/399106

FILING DATE: 01-Mar-1995

ATTORNEY/AGENT INFORMATION:

NAME: Lee, Wendy M.

REGISTRATION NUMBER: 00,000

REFERENCE/DOCKET NUMBER: P0927D2

RESULT 8  
US-08-399-106A-6

Sequence 6, Application US/08399106A

Patent No. 5731168

GENERAL INFORMATION:

APPLICANT: Carter, Paul J.

APPLICANT: Presta, Leonard G.

APPLICANT: Ridgway, John B.

TITLE OF INVENTION: A METHOD FOR MAKING HETEROMULTIMERIC

TITLE OF INVENTION: POLYPEPTIDES

NUMBER OF SEQUENCES: 16

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

Query Match Score 597; DB 2; Length 113;

Best Local Similarity 100.0%; Pred. No. 5.1e-50;

Matches 112; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

GENERAL INFORMATION:

APPLICANT: Carter, Paul J.

APPLICANT: Presta, Leonard G.

APPLICANT: Ridgway, John B.

TITLE OF INVENTION: A METHOD FOR MAKING HETEROMULTIMERIC

TITLE OF INVENTION: POLYPEPTIDES

NUMBER OF SEQUENCES: 16

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415/225-1994  
 TELEX: 415/52-9881  
 TELEFAX: 910/371-7168  
 INFORMATION FOR SEQ ID NO: 6:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 110 amino acids  
 TYPE: Amino Acid  
 TOPOLOGY: Linear

US-08-433-105A-6

RESULT 10  
 US-08-434-869A-6  
 ; Sequence 6, Application US/08434869A  
 ; Patent No. 582133

GENERAL INFORMATION:  
 APPLICANT: Carter, Paul J.  
 APPLICANT: Presta, Leonard G.  
 APPLICANT: Ridgway, John B.  
 TITLE OF INVENTION: A METHOD FOR MAKING HETEROMULTIMERIC POLYPEPTIDES  
 NUMBER OF SEQUENCES: 16  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Genentech, Inc.  
 STREET: 460 Point San Bruno Blvd  
 CITY: South San Francisco  
 STATE: California  
 COUNTRY: USA  
 ZIP: 94080

COMPUTER READABLE FORM:  
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: WinPain (Genentech)

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/08/434,869A  
 FILING DATE: 03-May-1995  
 CLASSIFICATION: 424  
 PRIORITY CLAIM:  
 APPLICATION NUMBER: 08/399106  
 FILING DATE: 01-MAR-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Lee, Wendy M.  
 REGISTRATION NUMBER: 00,000  
 REFERENCE/DOCKET NUMBER: P9927D1  
 TELEPHONE: 415/952-9881  
 TELEX: 910/371-7168  
 INFORMATION FOR SEQ ID NO: 6:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 110 amino acids  
 TYPE: Amino Acid  
 TOPOLOGY: Linear

US-08-434-869A-6

Query Match Score 587; DB 1; Length 110;  
 Best Local Similarity 100.0%; Pred. No. 4.5e-49;  
 Matches 110; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db Qy Db

211 GPRAAPEVYAFATPEWPGSRDKRTLACLIQNFMPEDISQWLHNEVQLPDRHSTTQPRK 270  
 1 GPRAAPEVYAFATPEWPGSRDKRTLACLIQNFMPEDISQWLHNEVQLPDRHSTTQPRK 60

RESULT 11  
 US-08-037-579A-2

Sequence 2, Application US/08037579A  
 Patent No. 5552537

GENERAL INFORMATION:  
 APPLICANT: Zhang, Ke  
 APPLICANT: Max, Edward E  
 APPLICANT: Saxon, Andrew E  
 TITLE OF INVENTION: IGE ISOFORMS AND METHODS OF USE  
 NUMBER OF SEQUENCES: 8  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEES: FLEHR, ROHACH, TEST, ALBRITTON & HERBERT  
 STREET: 4 Embarcadero Center, Suite 3400  
 CITY: San Francisco  
 STATE: California  
 COUNTRY: USA  
 ZIP: 94111-4187

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC Compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/037,579A  
 FILING DATE: 24-NAR-1993  
 CLASSIFICATION: 424  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Rowland, Bertram I.  
 REGISTRATION NUMBER: 20,015  
 REFERENCE/DOCKET NUMBER: A-57950/BIR  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (415) 781-1989  
 TELEFAX: (415) 398-3249  
 TELEX: 910 277299 FHT UTR  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 109 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein

US-08-037-579A-2

Query Match Score 581; DB 1; Length 109;  
 Best Local Similarity 100.0%; Pred. No. 1.7e-48;  
 Matches 109; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db Qy Db

271 TKGSQFFVSRLEVTRAWEQKDFICRAVEAASPSQTVQRAYSVNPK 320  
 61 TKGSQFFVSRLEVTRAWEQKDFICRAVEAASPSQTVQRAYSVNPK 110

RESULT 12  
 US-08-601-184-2

Sequence 2, Application US/08601184  
 Patent No. 6043345

GENERAL INFORMATION:  
 APPLICANT: Zhang, Ke  
 APPLICANT: Max, Edward E  
 APPLICANT: Saxon, Andrew E  
 TITLE OF INVENTION: IGE ISOFORMS AND METHODS OF USE  
 NUMBER OF SEQUENCES: 8

Db Qy Db

211 GPRAAPEVYAFATPEWPGSRDKRTLACLIQNFMPEDISQWLHNEVQLPDRHSTTQPRK 270  
 1 GPRAAPEVYAFATPEWPGSRDKRTLACLIQNFMPEDISQWLHNEVQLPDRHSTTQPRK 320

Db Qy Db

272 KGSGFFVSRLEVTRAWEQKDFICRAVEAASPSQTVQRAYSVNPK 320  
 61 KGSGFFVSRLEVTRAWEQKDFICRAVEAASPSQTVQRAYSVNPK 109

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT  
 STREET: 4 Embarcadero Center, Suite 3400  
 CITY: San Francisco  
 STATE: California  
 COUNTY: USA  
 ZIP: 941114187

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC DOS/MSDOS  
 SOFTWARE: Patent In Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 FILING DATE: US/08/601,184  
 CLASSIFICATION: 530  
 NAME: Sherwood, Pamela J.  
 REGISTRATION NUMBER: A-57950-1/PUS UCLA233-1  
 REFERENCE/DOCKET NUMBER: A-57950-1/PUS UCLA233-1  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (415) 494-8700  
 TELEX: 910 277299 FHT UR  
 FAX: (415) 494-8771  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 109 amino acids  
 TOPOLogy: linear  
 MOLECULE TYPE: protein  
 US-08-601-184-2

Query Match 34.0%; Score 581; DB 3; Length 109;  
 Best Local Similarity 100%; Pred. No. 1.7e-48;  
 Matches 109; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 212 PRAAPEVYAFATPEPWPGSRDRKTLACIQNMPEDISVQWLNHEVQLPDRHSTTQPRKT 271  
 Db 1 PRAAPEVYAFATPEPWPGSRDRKTLACIQNMPEDISVQWLNHEVQLPDRHSTTQPRKT 60

Query Match 34.0%; Score 581; DB 3; Length 109;  
 Best Local Similarity 100%; Pred. No. 1.7e-48;  
 Matches 109; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 272 KGSGFFVFSRLVTRAWEQKDIFCRAVHAAASPQTQVRAVSYPNGK 320  
 Db 61 KGSGFFVFSRLVTRAWEQKDIFCRAVHAAASPQTQVRAVSYPNGK 109

RESULT 13  
 US-08-466-163B-1  
 Sequence 1, Application US/08466663B  
 Patent No. 6319509  
 GENERAL INFORMATION:  
 APPLICANT: Jardieu, Paula M.

TITLE OF INVENTION: Immunoglobulin Variants  
 FILE REFERENCE: P071821CD1  
 CURRENT APPLICATION NUMBER: US/08/4666,163B  
 CURRENT FILING DATE: 1995-06-06  
 PRIOR APPLICATION NUMBER: US 08/405, 617  
 PRIOR FILING DATE: 1995-03-15  
 PRIOR APPLICATION NUMBER: US 08/185, 899  
 PRIOR FILING DATE: 1994-01-26  
 PRIOR APPLICATION NUMBER: US 08/185, 899  
 PRIOR FILING DATE: 1994-01-26  
 PRIOR APPLICATION NUMBER: PCT/US92/06860  
 PRIOR FILING DATE: 1992-08-14  
 PRIOR APPLICATION NUMBER: US 07/879, 495  
 PRIOR FILING DATE: 1992-05-07  
 PRIOR APPLICATION NUMBER: US 07/744, 768  
 PRIOR FILING DATE: 1991-08-14  
 NUMBER OF SEQ ID NOS: 64  
 SEQ ID NO 1

Query Match 33.2%; Score 566.5; DB 4; Length 109;  
 Best Local Similarity 99.1%; Pred. No. 4.2e-47;  
 Matches 109; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy 103 DSNPRGVAYLSRSPSPDLFIRKSPTTCLVYDLSRASGKTVNLTSRASGKPVNHSTRKE 162  
 Db 1 DSNPRGVAYLSRSPSPDLFIRKSPTTCLVYDLSRASGKTVNLTSRASGKPVNHSTRKE 60

RESULT 14  
 US-09-802-096-1  
 Sequence 1, Application US/09802096  
 Patent No. 685339  
 GENERAL INFORMATION:  
 APPLICANT: Jardieu, Paula M.  
 TITLE OF INVENTION: Method of Preventing the Onset of Allergic Disorders (as amended)  
 FILE REFERENCE: P0718223US  
 CURRENT APPLICATION NUMBER: US/09/802,096  
 CURRENT FILING DATE: 2001-03-08  
 PRIOR APPLICATION NUMBER: US 08/405, 617  
 PRIOR FILING DATE: 1995-03-15  
 PRIOR APPLICATION NUMBER: US 08/185, 899  
 PRIOR FILING DATE: 1994-01-26  
 PRIOR APPLICATION NUMBER: PCT/US92/06860  
 PRIOR FILING DATE: 1992-08-14  
 PRIOR APPLICATION NUMBER: US 07/879, 495  
 PRIOR FILING DATE: 1992-05-07  
 PRIOR APPLICATION NUMBER: US 07/744, 768  
 PRIOR FILING DATE: 1991-08-14  
 NUMBER OF SEQ ID NOS: 64  
 SEQ ID NO 1

Query Match 33.2%; Score 566.5; DB 4; Length 109;

Best Local Similarity 99.1%; Pred. No. 4.2e-47;

Matches 109; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy 103 DSNPRGVAYLSRSPSPDLFIRKSPTTCLVYDLSRASGKTVNLTSRASGKPVNHSTRKE 162  
 Db 1 DSNPRGVAYLSRSPSPDLFIRKSPTTCLVYDLSRASGKTVNLTSRASGKPVNHSTRKE 60

RESULT 15  
 US-08-332-539D-54  
 Sequence 54, Application US/08232539D  
 Patent No. 596709  
 GENERAL INFORMATION:  
 APPLICANT: Presta, Leonard G.  
 APPLICANT: Jardieu, Paula M.  
 TITLE OF INVENTION: IGE Antagonists  
 NUMBER OF SEQUENCES: 60  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Genentech, Inc.  
 STREET: 1 DNA Way  
 CITY: South San Francisco  
 STATE: California  
 COUNTRY: USA  
 ZIP: 94080  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: WinPatin (Genentech)

Query Match 33.2%; Score 566.5; DB 4; Length 109;  
 Best Local Similarity 99.1%; Pred. No. 4.2e-47;

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/232,539D  
FILING DATE: 21-Apr-1994  
CLASSIFICATION: 530

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/178583  
FILING DATE: 07-JAN-1994

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744768  
FILING DATE: 14-AUG-1991

ATTORNEY/AGENT INFORMATION:  
NAME: Svoboda, Craig G.  
REGISTRATION NUMBER: 39,044  
REFERENCE/DOCKET NUMBER: P0718P3

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650/25-1489  
TELEFAX: 650/952-9881

SEQUENCE CHARACTERISTICS:  
LENGTH: 106 amino acids  
TYPE: Amino Acid  
TOPOLOGY: Linear  
US-08-232-539D-54

Query Match 32.6%; Score 556; DB 2; Length 106;  
Best Local Similarity 100.0%; Prod. No. 4.2e-46;  
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	Db	Start	End	Sequence
108	1	GVSAYLSRBPFDLFIKSPTITLVVDIAPSCTVNTIWSASGKPYNHSRKKEKORN	167	
168	1	GVSAYLSRBPFDLFIKSPTITLVVDIAPSCTVNTIWSASGKPYNHSRKKEKORN	212	
61	61	GTLIVTSTLPGTRDWEGETYQCRVTHPLPRLMRSTKTSGP	105	

Search completed: August 18, 2004, 01:00:26  
Job time : 13.8457 secs

